

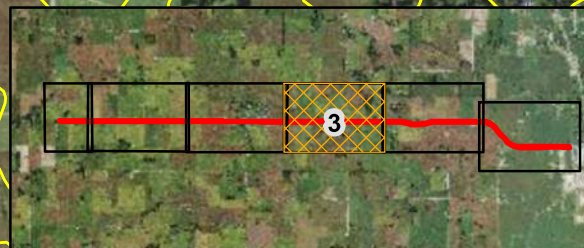
NRCS Soil Map
 SR 32: Roadway Improvement Project
 Des. No. 1800060 & 1900361
 Boone County, Indiana



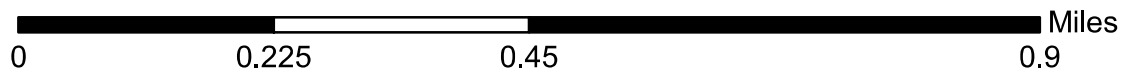
Legend

- Investigation Area
- Map Extent
- Active Extent
- NRCS Soils: Boone County

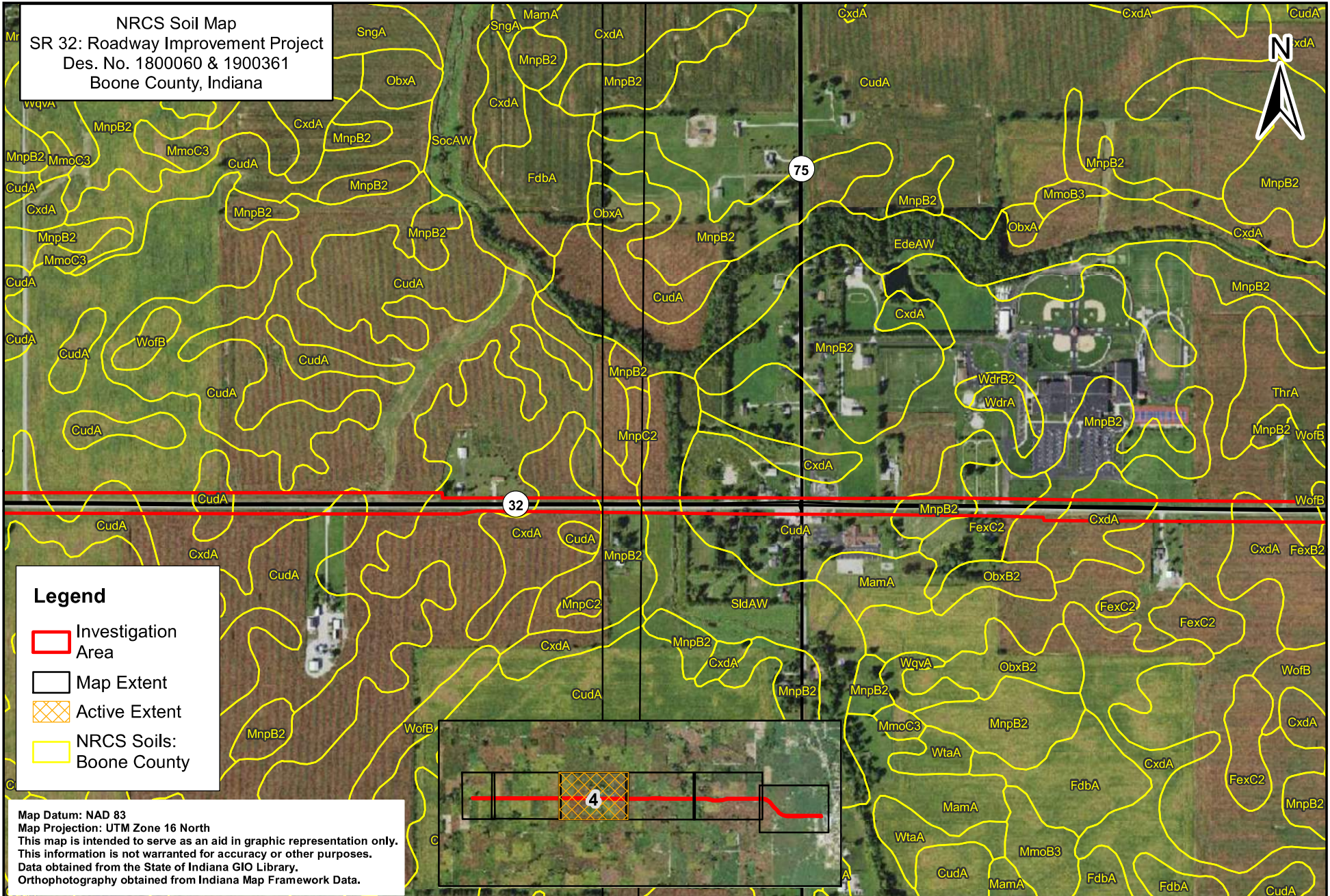
Map Datum: NAD 83
 Map Projection: UTM Zone 16 North
 This map is intended to serve as an aid in graphic representation only.
 This information is not warranted for accuracy or other purposes.
 Data obtained from the State of Indiana GIO Library.
 Orthophotography obtained from Indiana Map Framework Data.



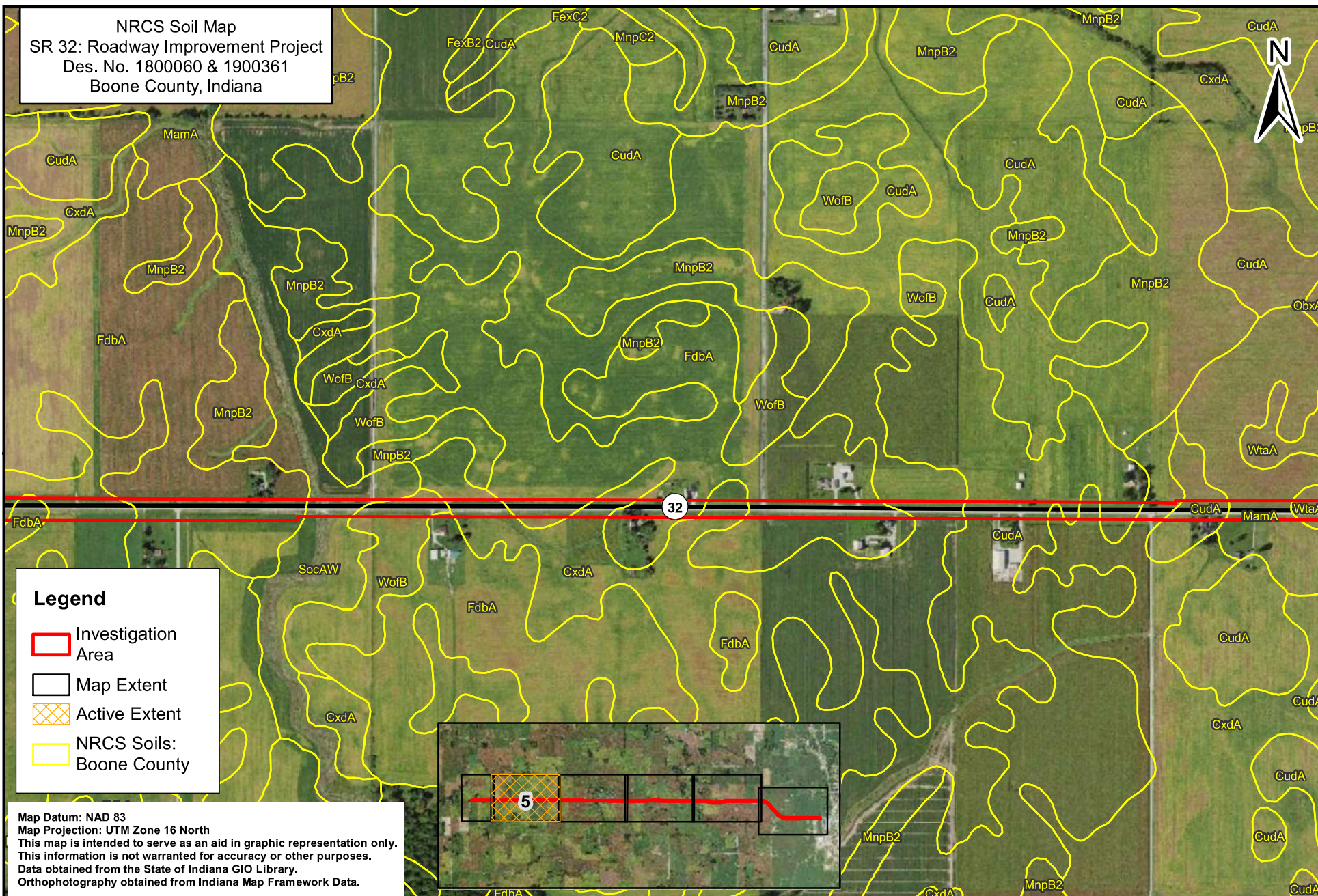
NRCS Soil Map 3 of 6



Location: SR 32
 Township: Jefferson & Center
 County: Boone
 Date: 05/25/21



NRCS Soil Map
 SR 32: Roadway Improvement Project
 Des. No. 1800060 & 1900361
 Boone County, Indiana



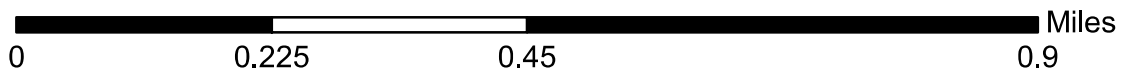
Legend

- Investigation Area
- Map Extent
- Active Extent
- NRCS Soils: Boone County

Map Datum: NAD 83
 Map Projection: UTM Zone 16 North
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 Data obtained from the State of Indiana GIO Library.
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NRCS Soil Map 5 of 6



Location: SR 32
 Township: Jefferson & Center
 County: Boone
 Date: 05/25/21

NRCS Soil Map
 SR 32: Roadway Improvement Project
 Des. No. 1800060 & 1900361
 Boone County, Indiana



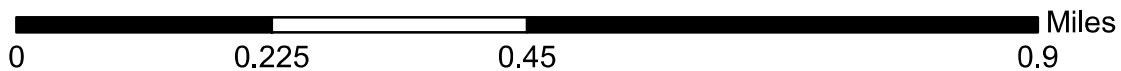
Legend

- Investigation Area
- Map Extent
- Active Extent
- NRCS Soils: Boone County

Map Datum: NAD 83
 Map Projection: UTM Zone 16 North
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 Data obtained from the State of Indiana GIO Library.
 Orthophotography obtained from Indiana Map Framework Data.



NRCS Soil Map 6 of 6



Location: SR 32
 Township: Jefferson & Center
 County: Boone
 Date: 05/25/21

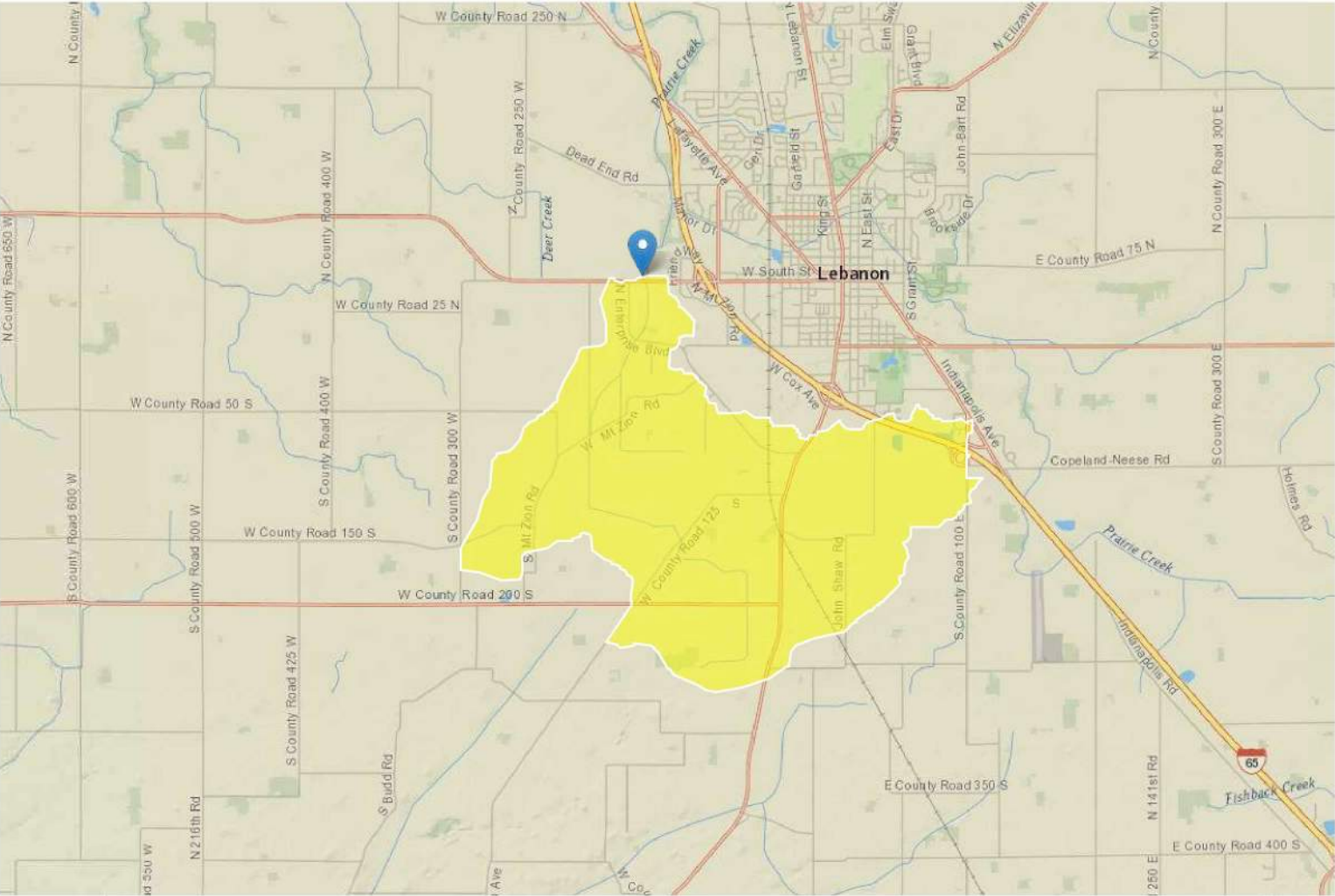
Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CudA	Crosby silt loam, fine-loamy subsoil, 0 to 2 percent slopes	2	62.8	17.5%
CxdA	Cyclone silty clay loam, 0 to 2 percent slopes	83	157.7	43.9%
FdbA	Fincastle silt loam, tipton till plain, 0 to 2 percent slopes	15	101.2	28.2%
FexC2	Fox loam, 6 to 12 percent slopes, eroded	0	3.0	0.8%
MamA	Mahalasville silty clay loam, 0 to 2 percent slopes	98	8.5	2.4%
MnpB2	Miami silt loam, 2 to 6 percent slopes, eroded	5	10.0	2.8%
MnpC2	Miami silt loam, 6 to 12 percent slopes, eroded	5	0.1	0.0%
ObxB2	Ockley silt loam, 2 to 6 percent slopes, eroded	5	1.3	0.4%
SldAW	Shoals silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	5	1.7	0.5%
SocAW	Sloan silty clay loam, 0 to 1 percent slopes, occasionally flooded, very brief duration	94	2.8	0.8%
ThrA	Treaty silty clay loam, 0 to 1 percent slopes	95	0.3	0.1%
UcyA	Urban land-Cyclone silty clay loam complex, 0 to 2 percent slopes	15	2.7	0.8%
UfgA	Urban land-Fincastle silt loam complex, 0 to 2 percent slopes	5	0.1	0.0%
UhlA	Urban land-Mahalasville silty clay loam complex, 0 to 2 percent slopes	39	0.9	0.3%
WofB	Williamstown-Crosby silt loams, 2 to 4 percent slopes	5	2.6	0.7%



Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
WtaA	Whitaker silt loam, 0 to 2 percent slopes	5	2.6	0.7%
Totals for Area of Interest			359.3	100.0%





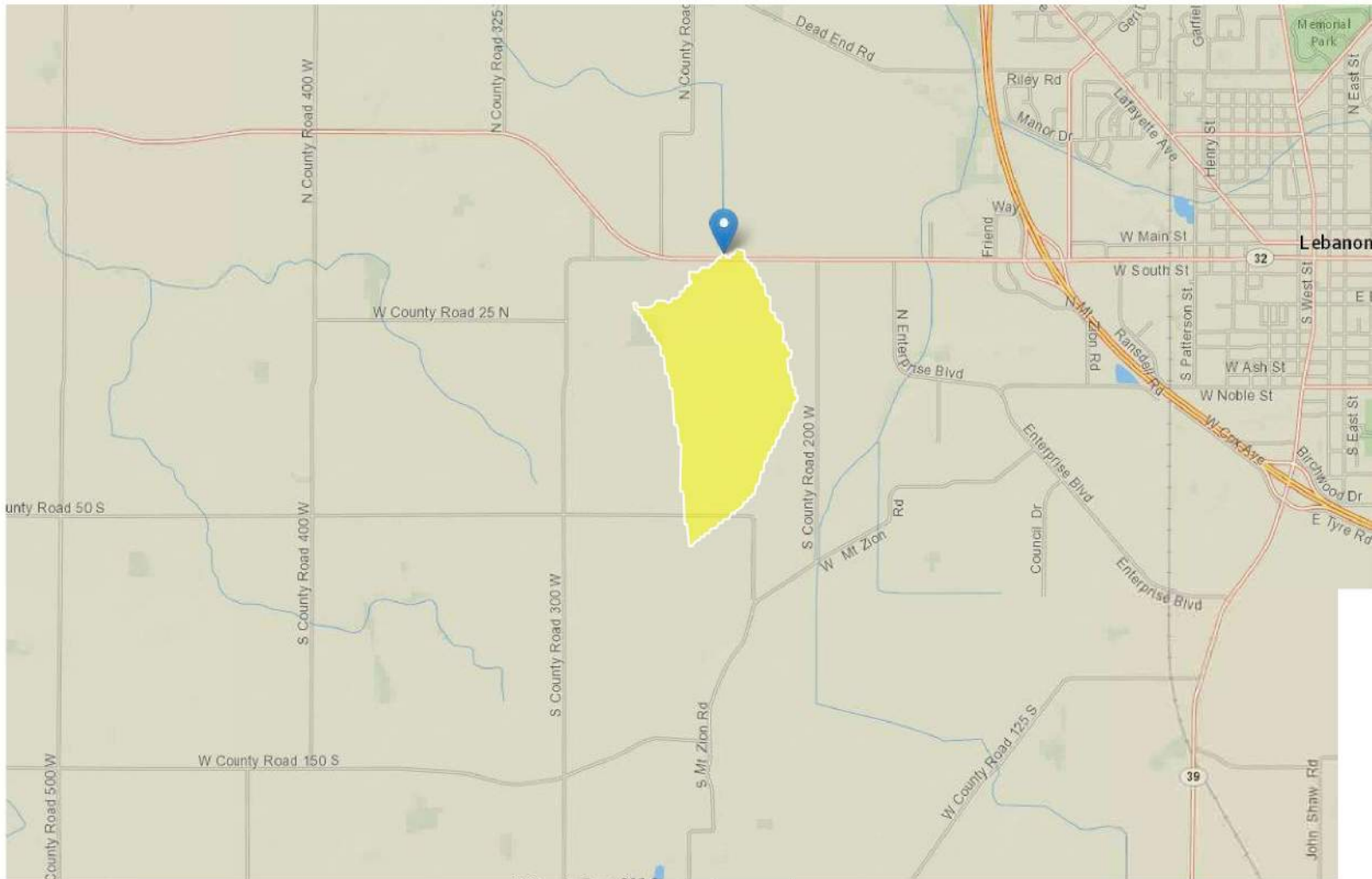
CONTDA	Area that contributes flow to a point on a stream	6.427	square miles
DRNAREA	Area that drains to a point on a stream	6.427	square miles
K2INDNR	Average hydraulic conductivity (ft/d) for the full depth of unconsolidated deposits from InDNR well database.	10	ft per day
T2INDNR	Average transmissivity (ft2/d) for the full depth of unconsolidated deposits from InDNR well database.	1344	square feet per day

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USGS Product Names Disclaimer: Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Application Version: 4.5.3
StreamStats Services Version: 1.2.22
NSS Services Version: 2.1.2



K2INDNR	Average hydraulic conductivity (ft/d) for the full depth of unconsolidated deposits from InDNR well database.	9	ft per day
T2INDNR	Average transmissivity (ft ² /d) for the full depth of unconsolidated deposits from InDNR well database.	1007	square feet per day

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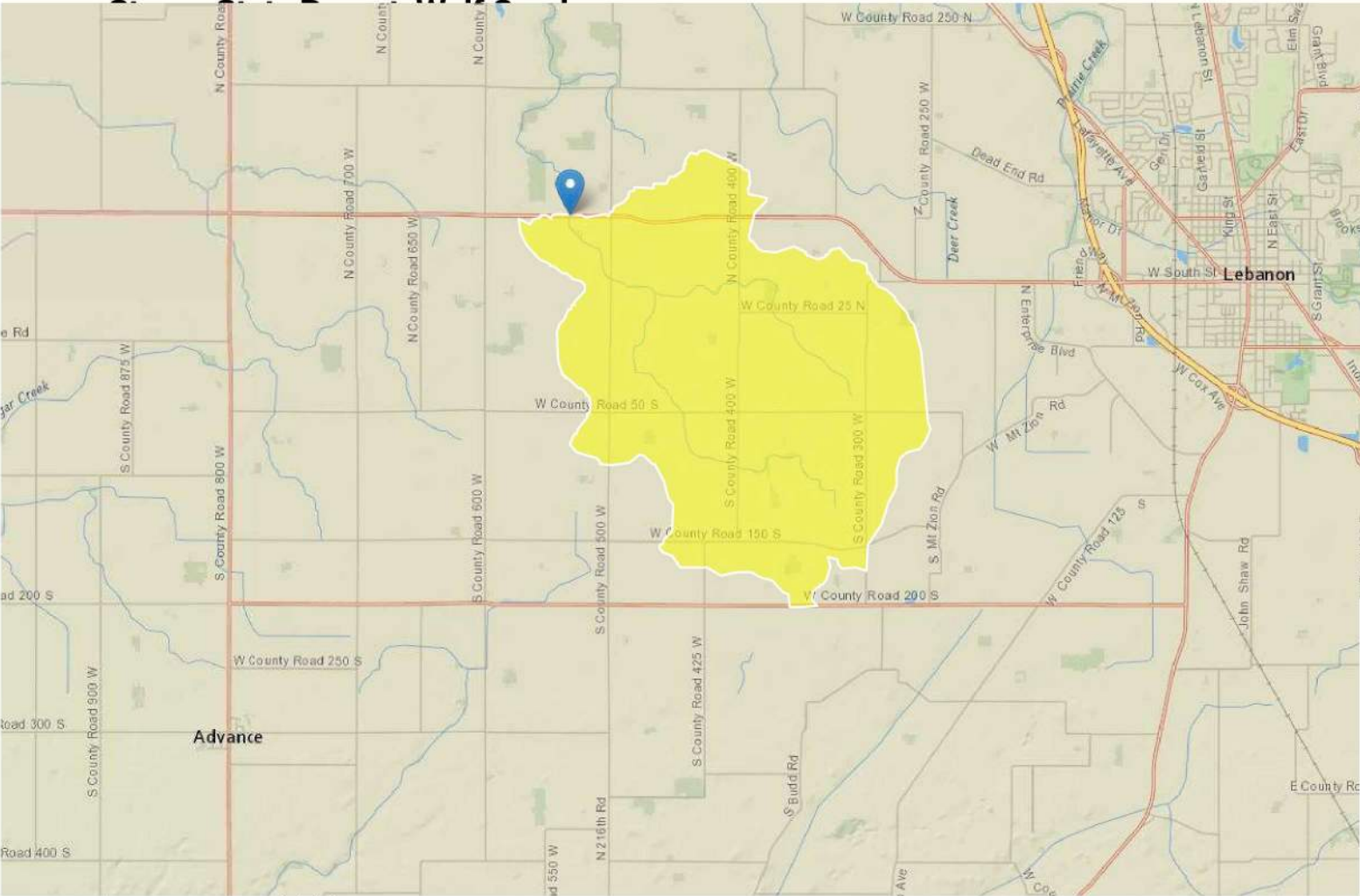
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Application Version: 4.5.3

StreamStats Services Version: 1.2.22

NSS Services Version: 2.1.2



well database.			
T2INDNR	Average transmissivity (ft ² /d) for the full depth of unconsolidated deposits from IndNR well database.	973	square feet per day

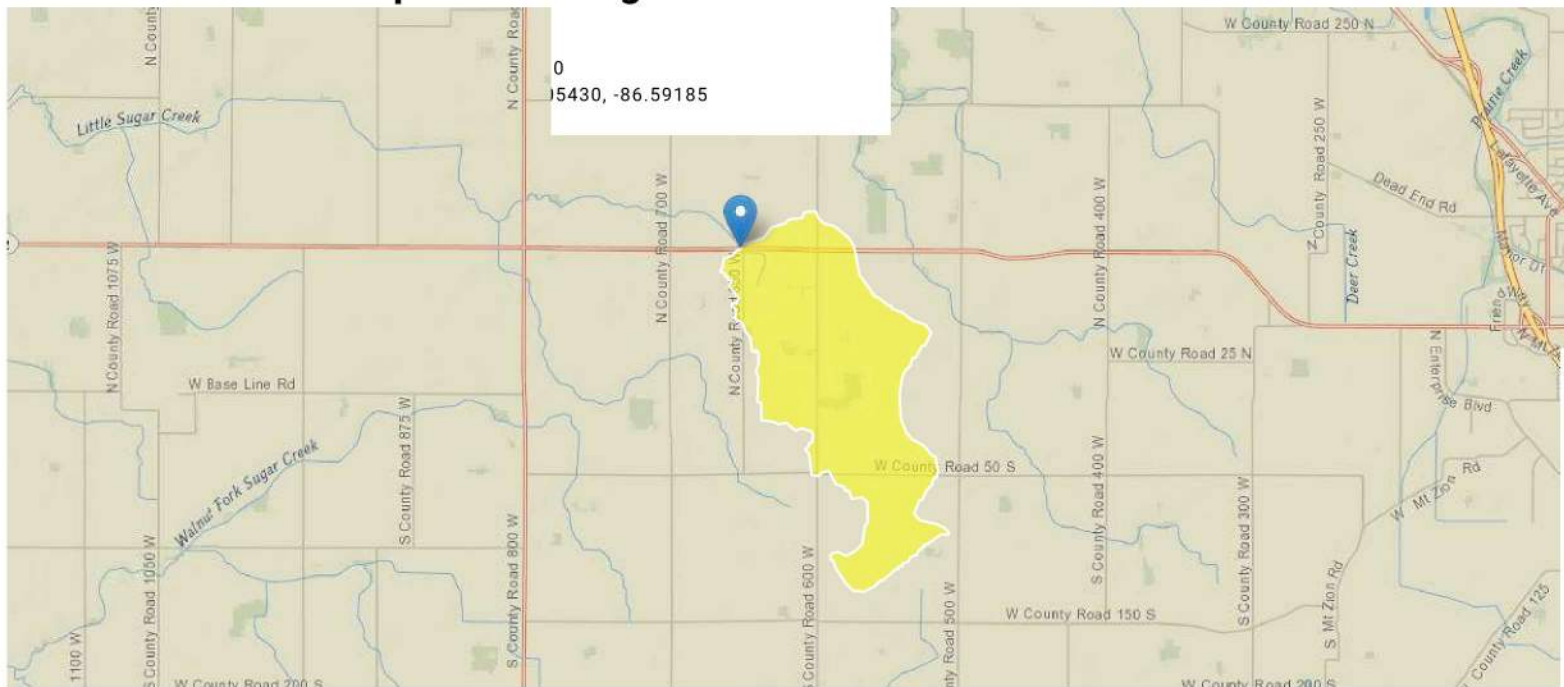
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Application Version: 4.5.3
StreamStats Services Version: 1.2.22
NSS Services Version: 2.1.2

StreamStats Report: Little Sugar Creek



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	1.956	square miles
DRNAREA	Area that drains to a point on a stream	1.956	square miles
K2INDNR	Average hydraulic conductivity (ft/d) for the full depth of unconsolidated deposits from InDNR well database.	10	ft per day
T2INDNR	Average transmissivity (ft ² /d) for the full depth of unconsolidated deposits from InDNR well database.	1121	square feet per day

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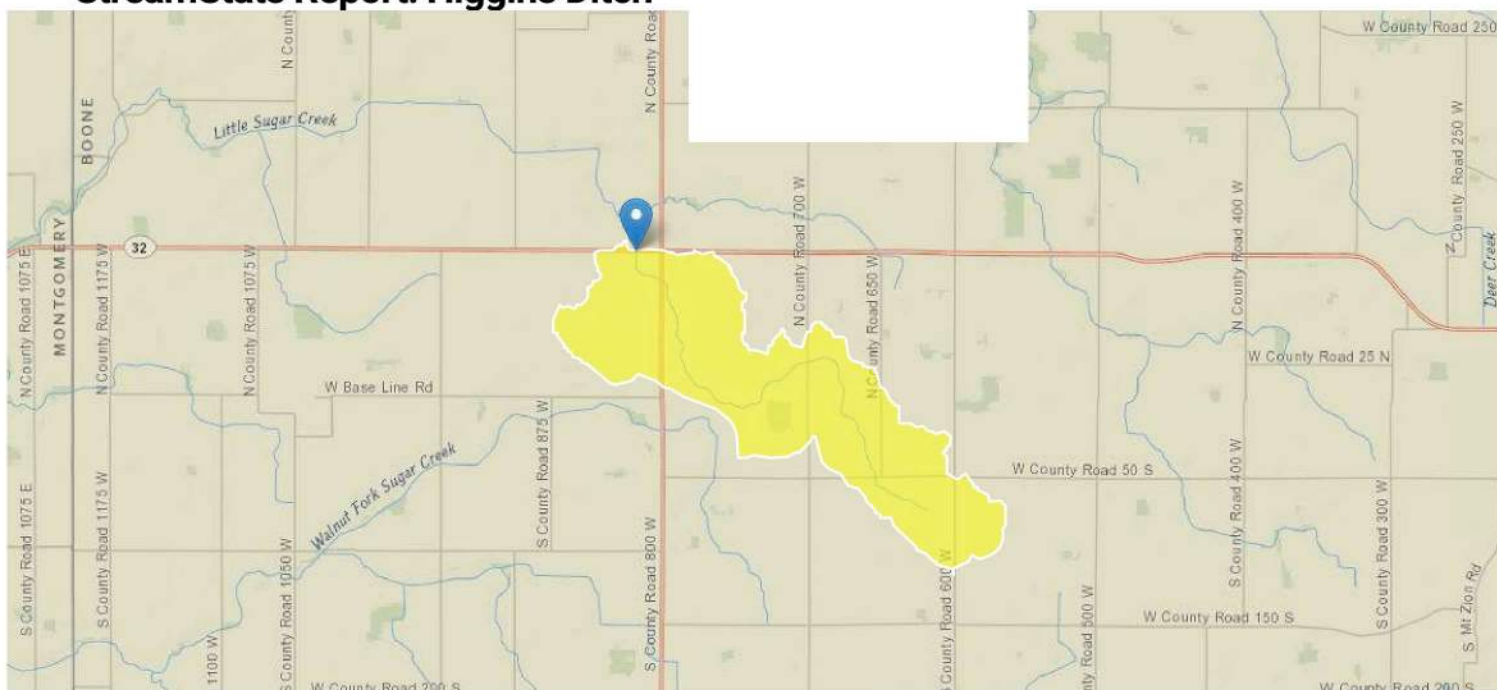
USGS Product Names Disclaimer: Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Application Version: 4.5.3

StreamStats Services Version: 1.2.22

NSS Services Version: 2.1.2

StreamStats Report: Higgins Ditch



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONDA	Area that contributes flow to a point on a stream	2.425	square miles
DRNAREA	Area that drains to a point on a stream	2.425	square miles
K2INDNR	Average hydraulic conductivity (ft/d) for the full depth of unconsolidated deposits from InDNR well database.	11	ft per day
T2INDNR	Average transmissivity (ft ² /d) for the full depth of unconsolidated deposits from InDNR well database.	1046	square feet per day

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Application Version: 4.5.3

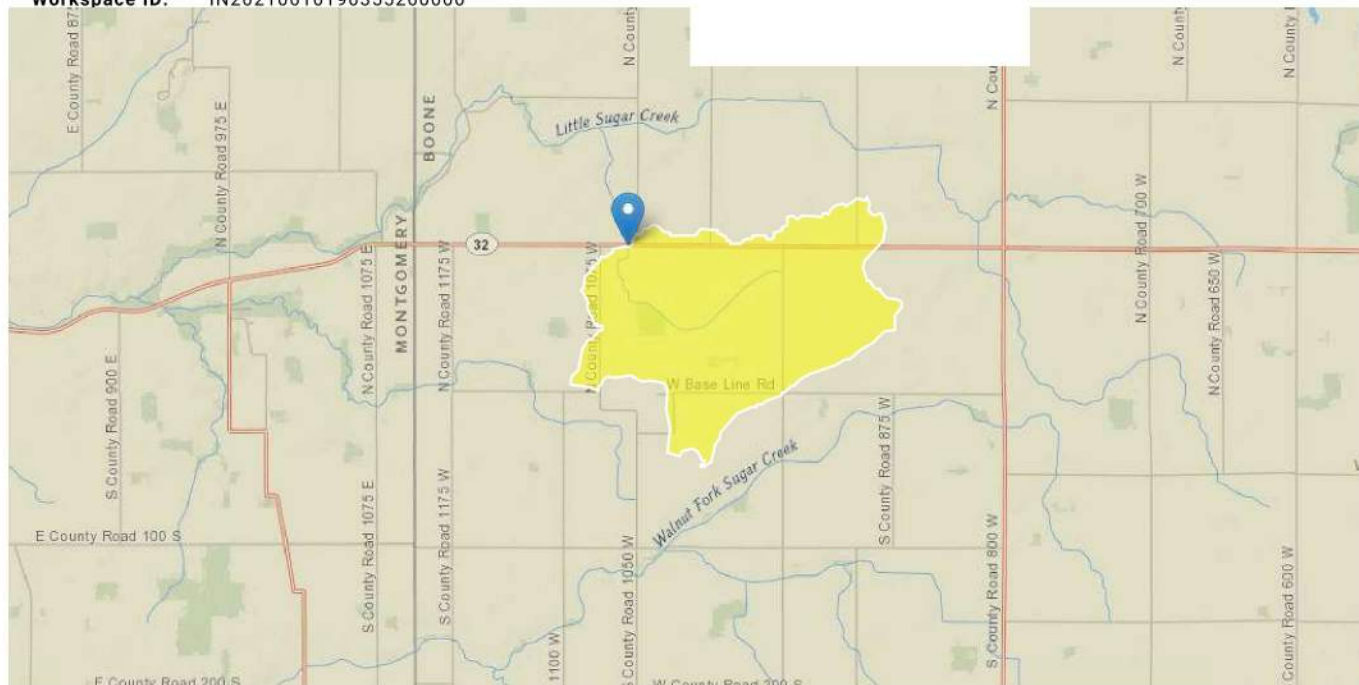
StreamStats Services Version: 1.2.22

NSS Services Version: 2.1.2

StreamStats Report UNT to Little Sugar Creek

Region ID: IN

Workspace ID: IN20210610190355260000



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CONTDA	Area that contributes flow to a point on a stream	2.272	square miles
DRNAREA	Area that drains to a point on a stream	2.272	square miles
K2INDNR	Average hydraulic conductivity (ft/d) for the full depth of unconsolidated deposits from InDNR well database.	8	ft per day
T2INDNR	Average transmissivity (ft ² /d) for the full depth of unconsolidated deposits from InDNR well database.	656	square feet per day

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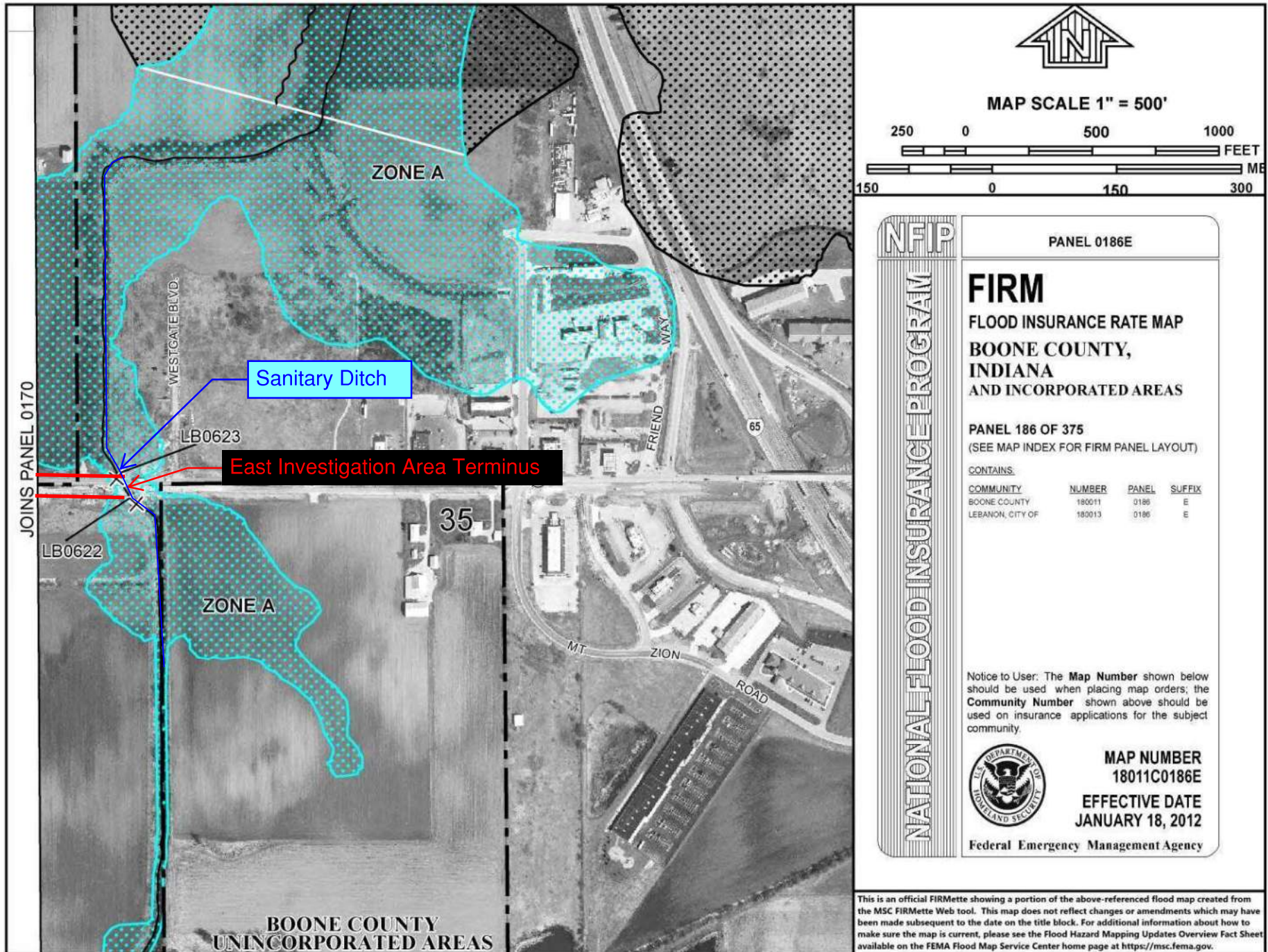
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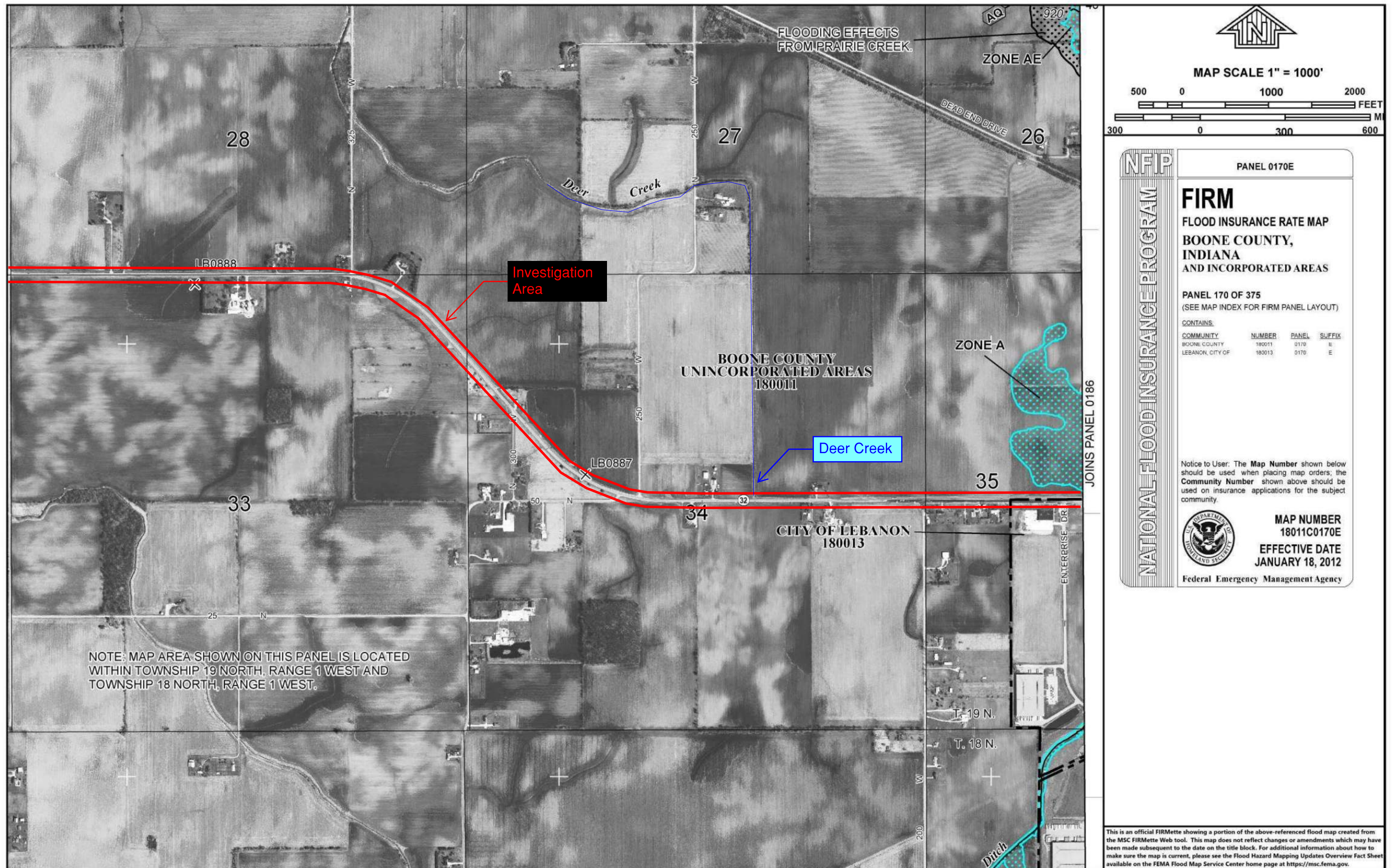
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Application Version: 4.5.3

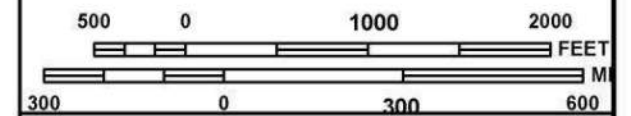
StreamStats Services Version: 1.2.22

NSS Services Version: 2.1.2





MAP SCALE 1" = 1000'



NFIP

PANEL 0170E

FIRM

FLOOD INSURANCE RATE MAP
BOONE COUNTY,
INDIANA
AND INCORPORATED AREAS

PANEL 170 OF 375
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BOONE COUNTY	180011	0170	E
LEBANON, CITY OF	180013	0170	E

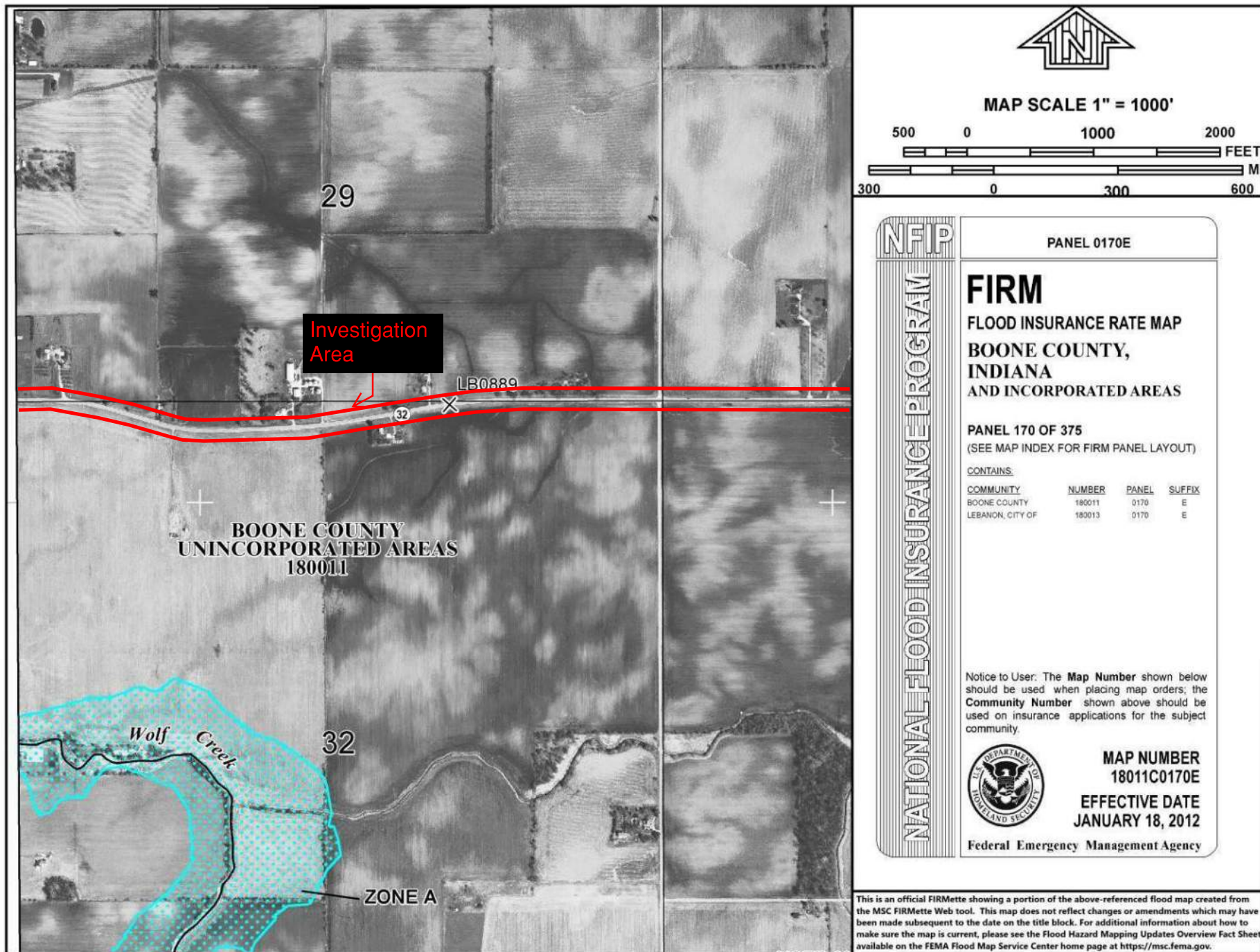
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

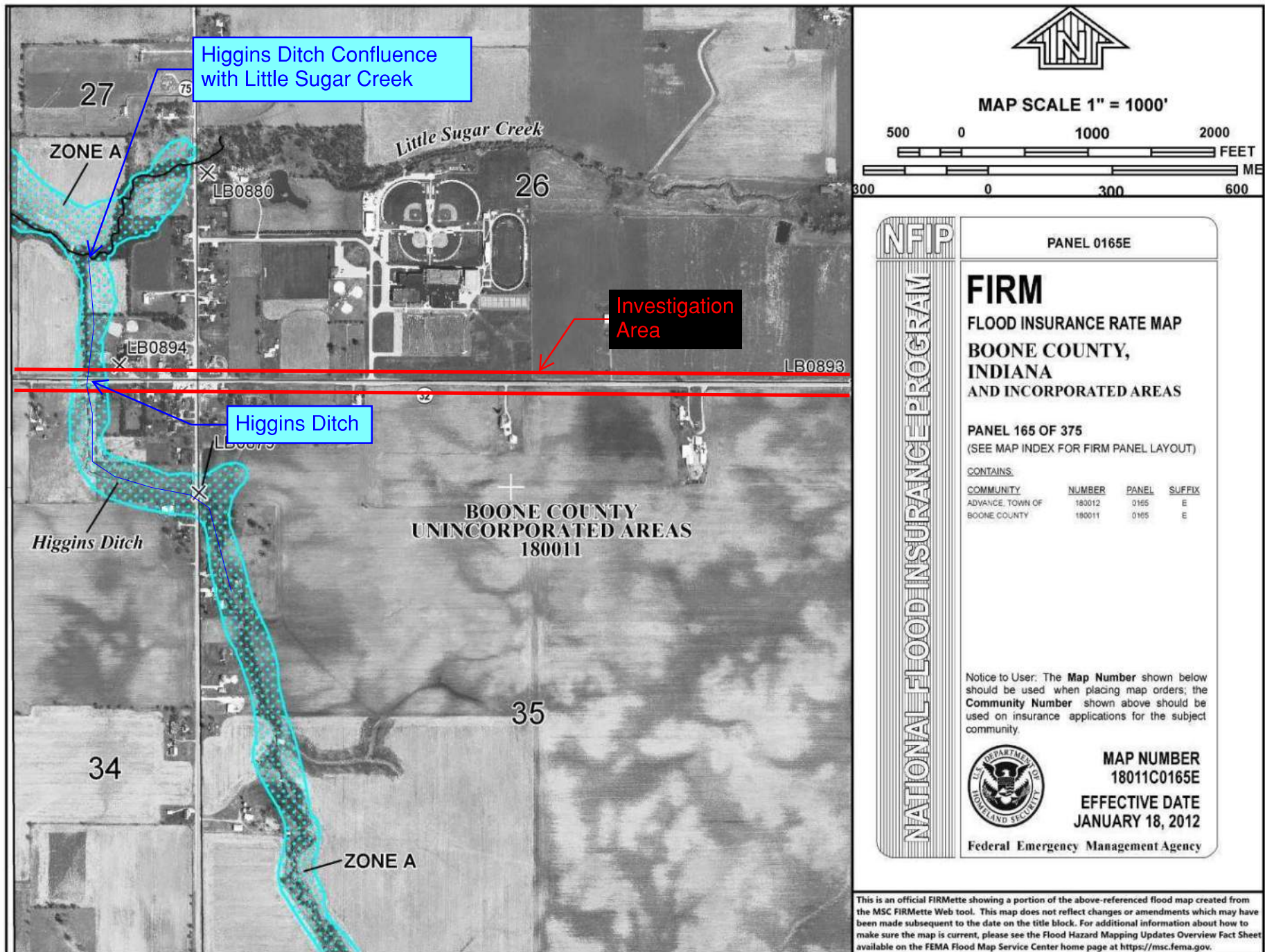



MAP NUMBER
18011C0170E
EFFECTIVE DATE
JANUARY 18, 2012

Federal Emergency Management Agency

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Sheet available on the FEMA Flood Map Service Center home page at <https://msc.fema.gov>.







MAP SCALE 1" = 1000'

500 0 1000 2000
FEET

300 0 300 600
METERS

NFIP

PANEL 0165E

FIRM

FLOOD INSURANCE RATE MAP

BOONE COUNTY, INDIANA


AND INCORPORATED AREAS

PANEL 165 OF 375
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ADVANCE, TOWN OF	180012	0165	E
BOONE COUNTY	180011	0165	E

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

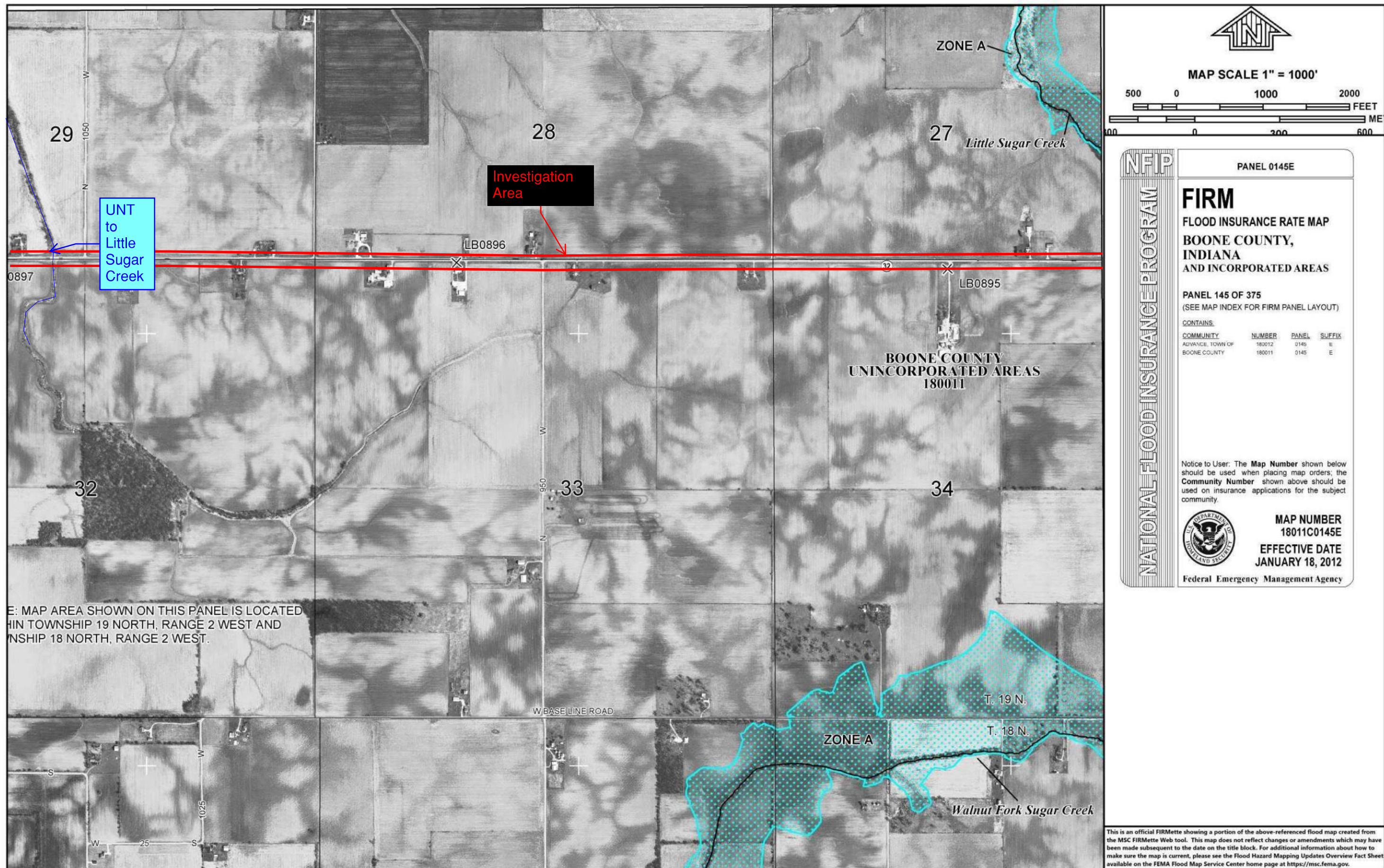


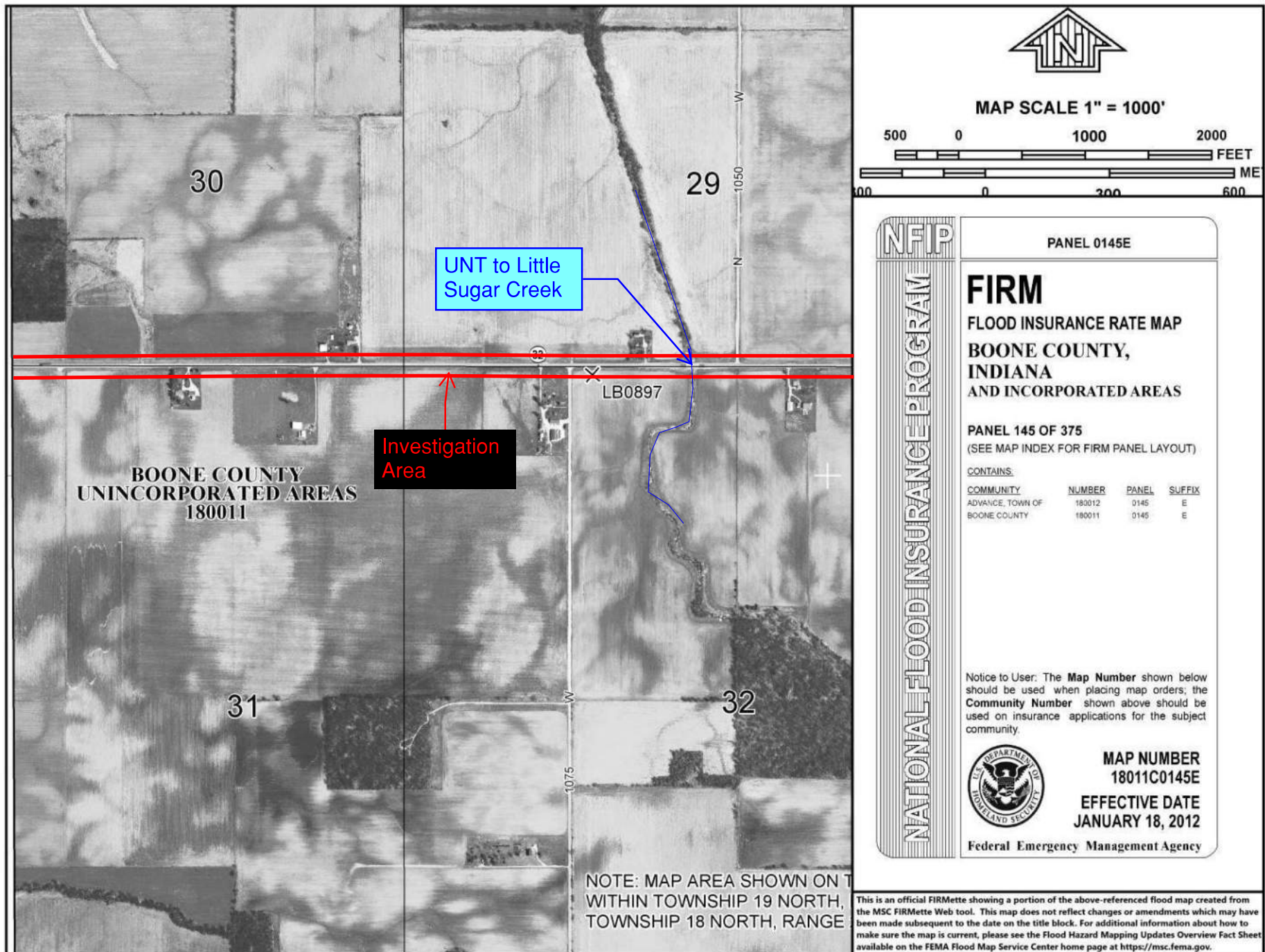
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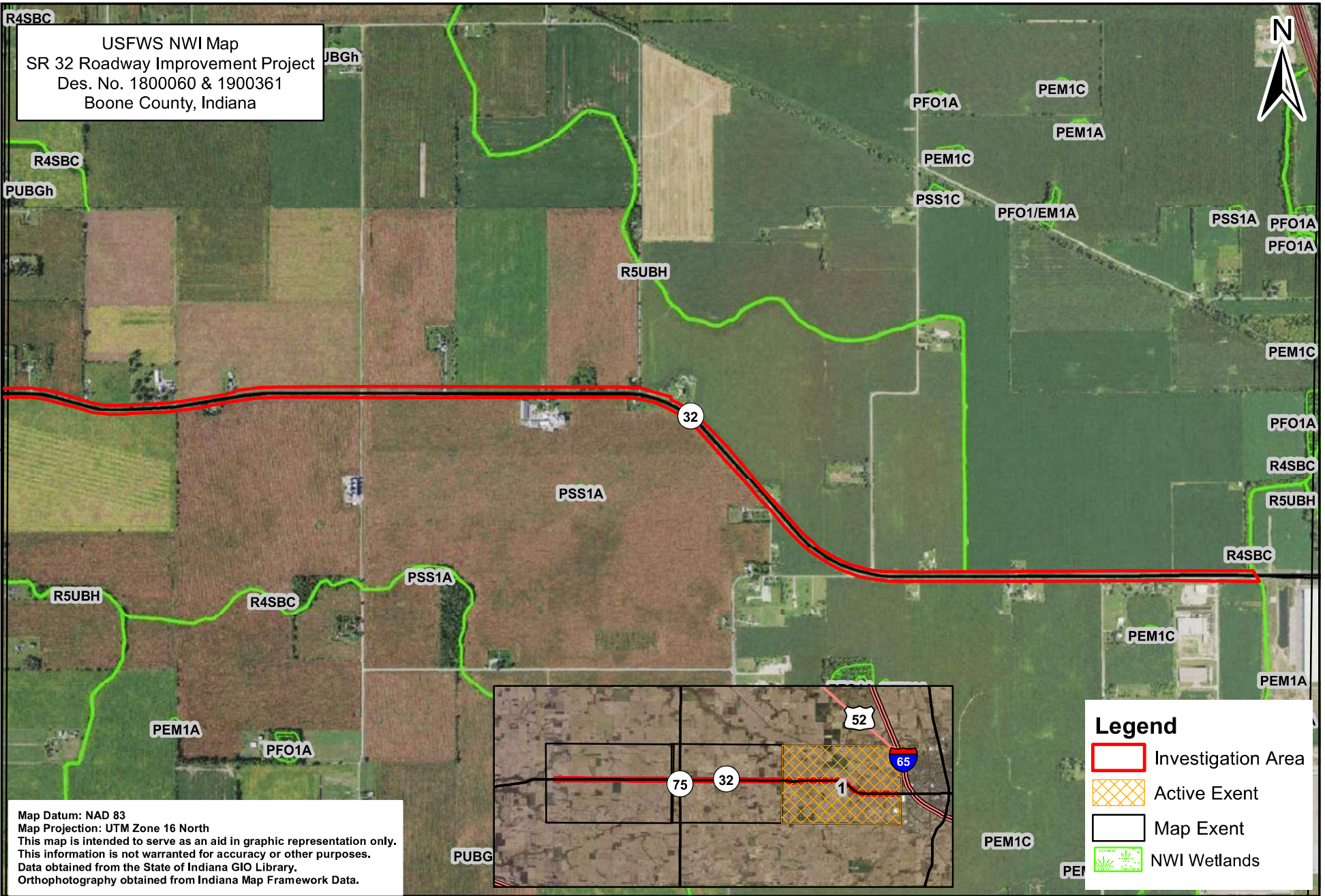
EFFECTIVE DATE
JANUARY 18, 2012

Federal Emergency Management Agency

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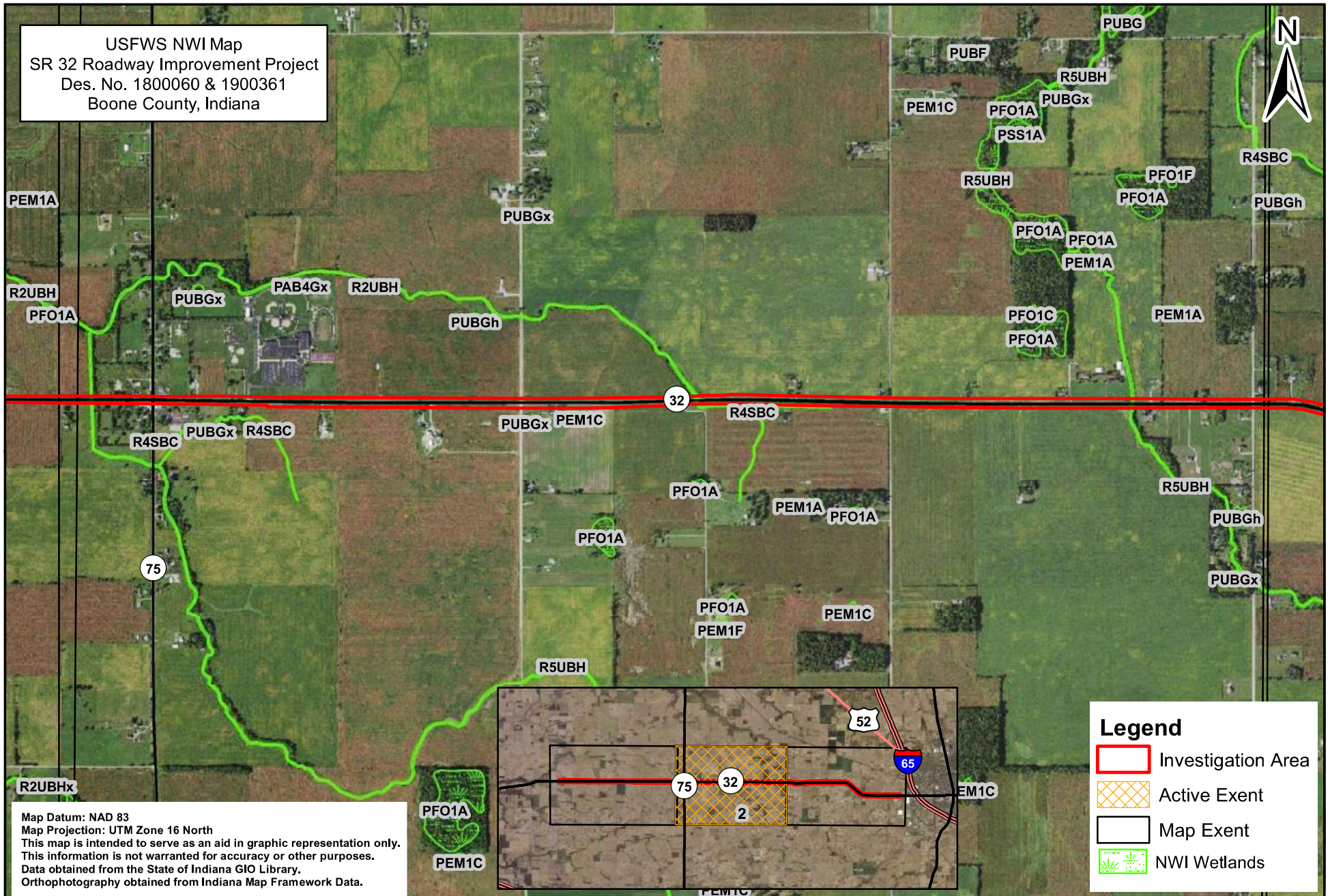
USFWS NWI Map
SR 32 Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana

Map Datum: NAD 83
Map Projection: UTM Zone 16 North
This map is intended to serve as an aid in graphic representation only.
This information is not warranted for accuracy or other purposes.
Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

Legend

- Investigation Area
- Active Exent
- Map Exent
- NWI Wetlands

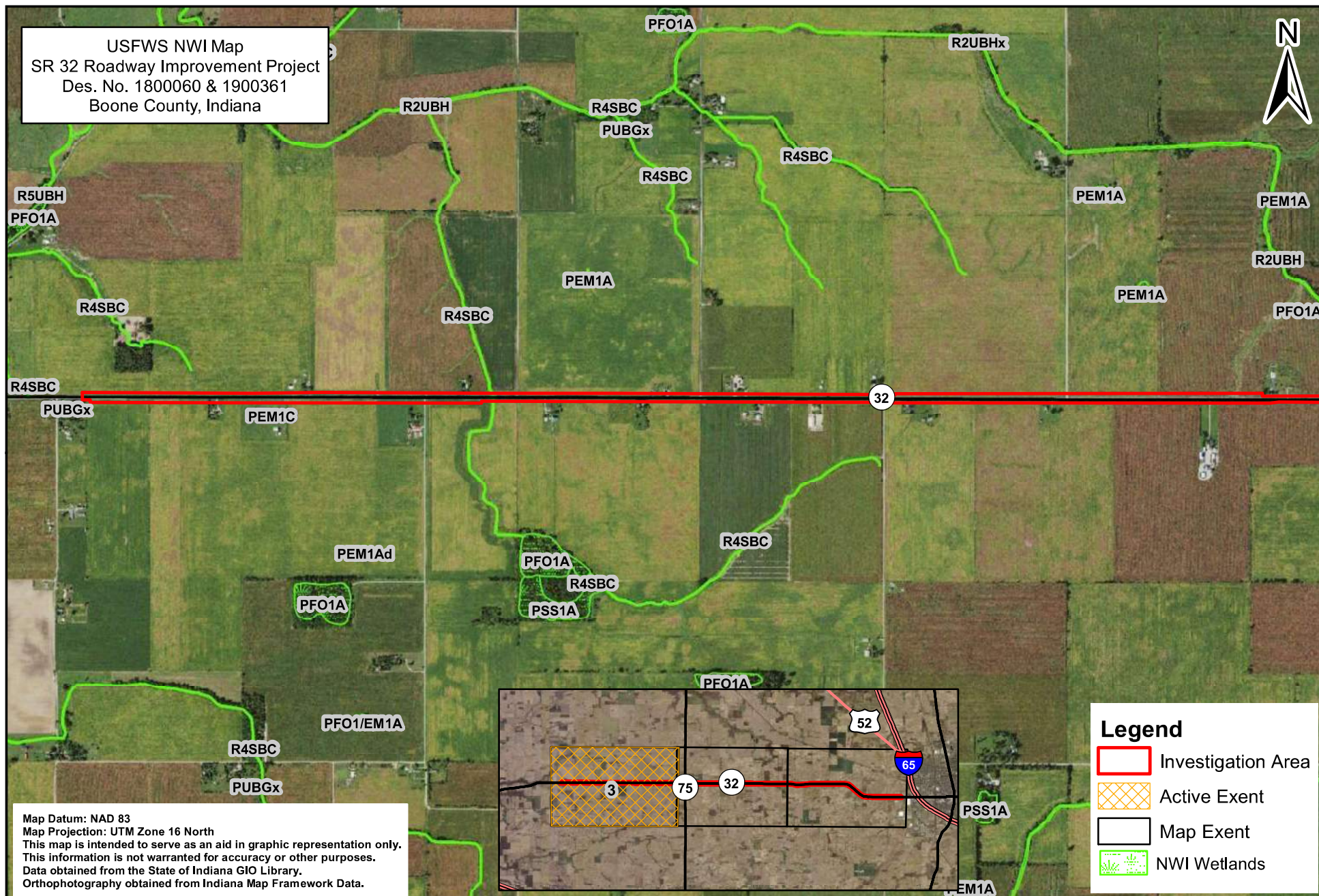
USFWS NWI Map
SR 32 Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



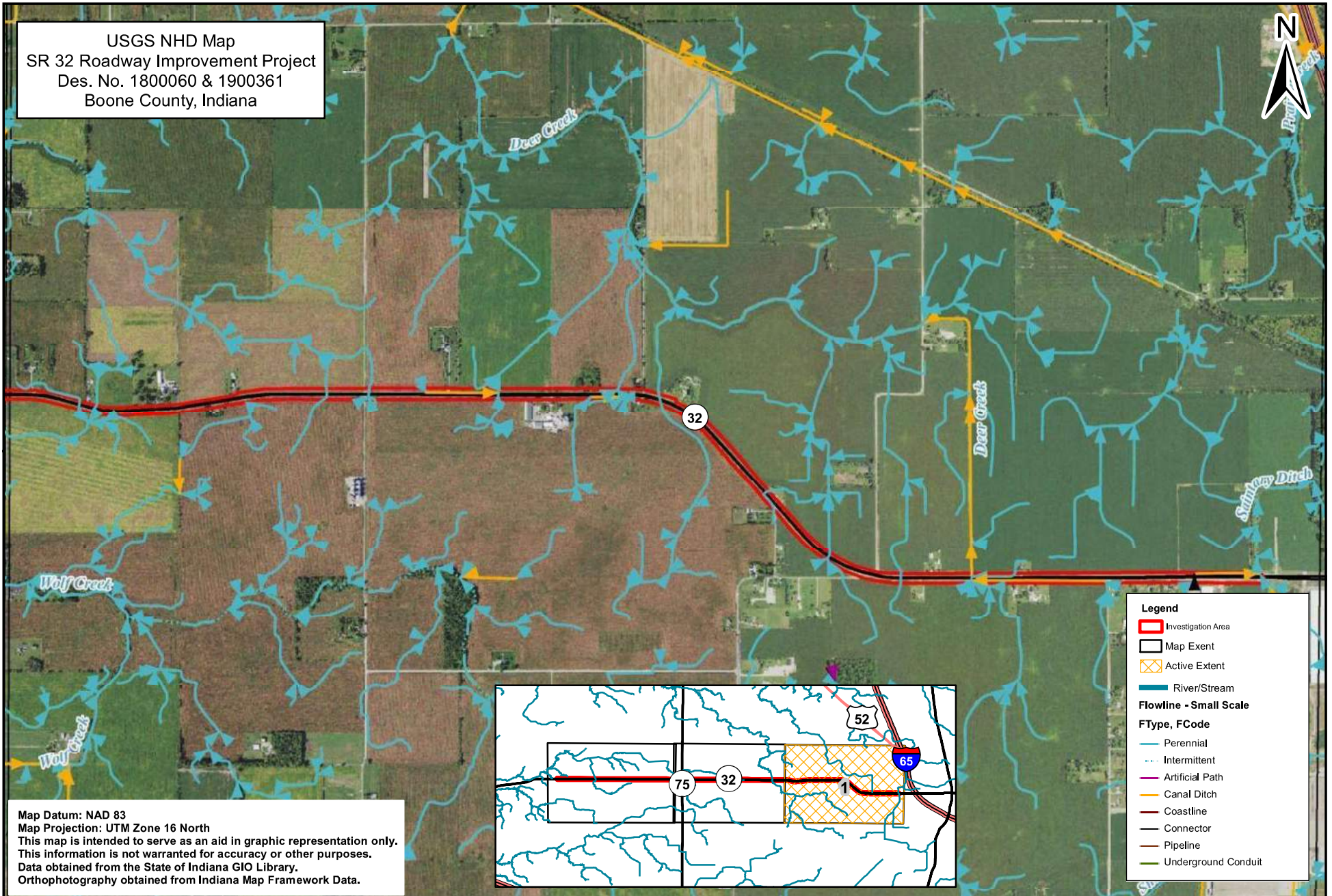
USFWS NWI Map 2 of 3



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 5/25/21



USGS NHD Map
SR 32 Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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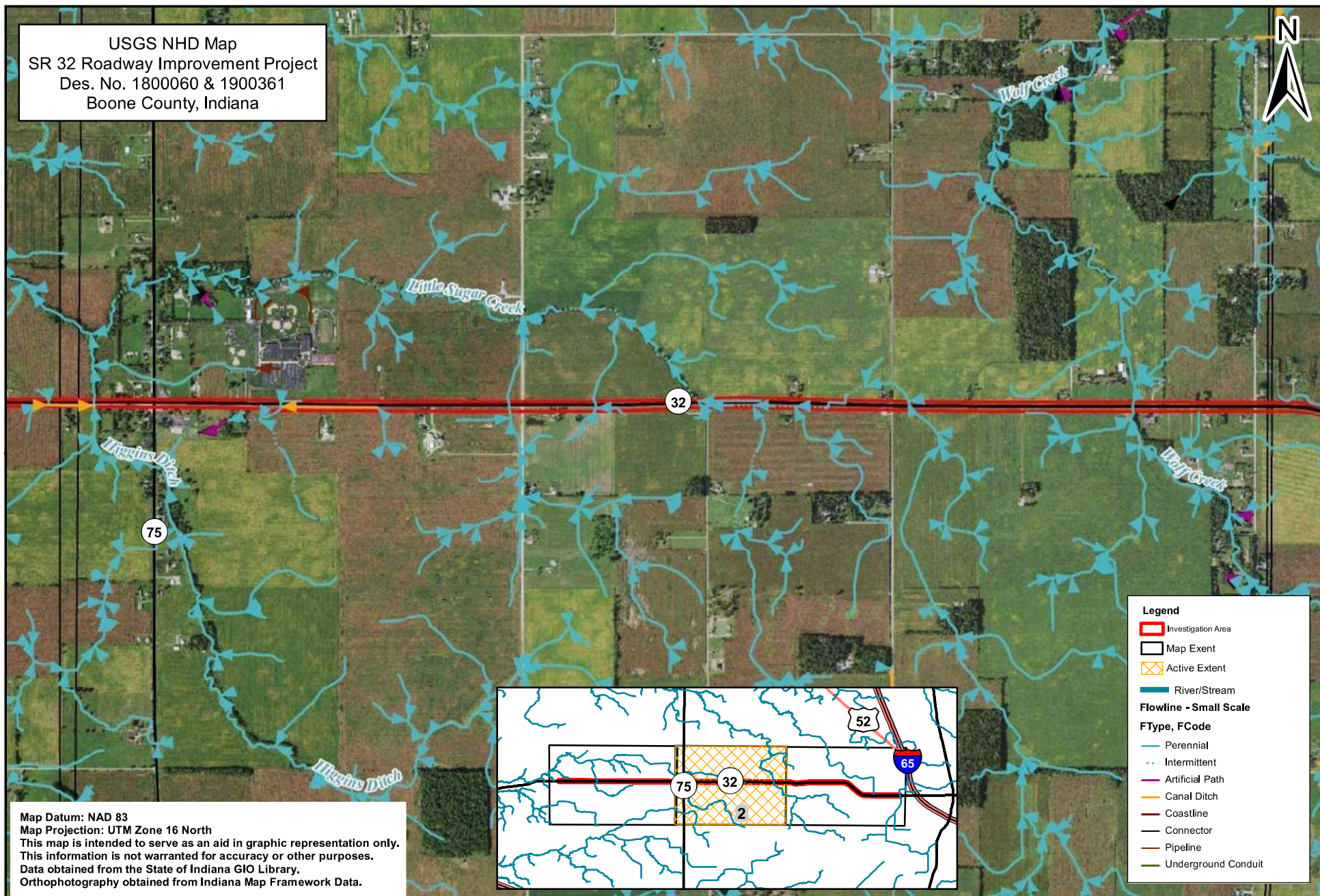


USGS NHD Map 1 of 3



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 5/25/21

USGS NHD Map
SR 32 Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
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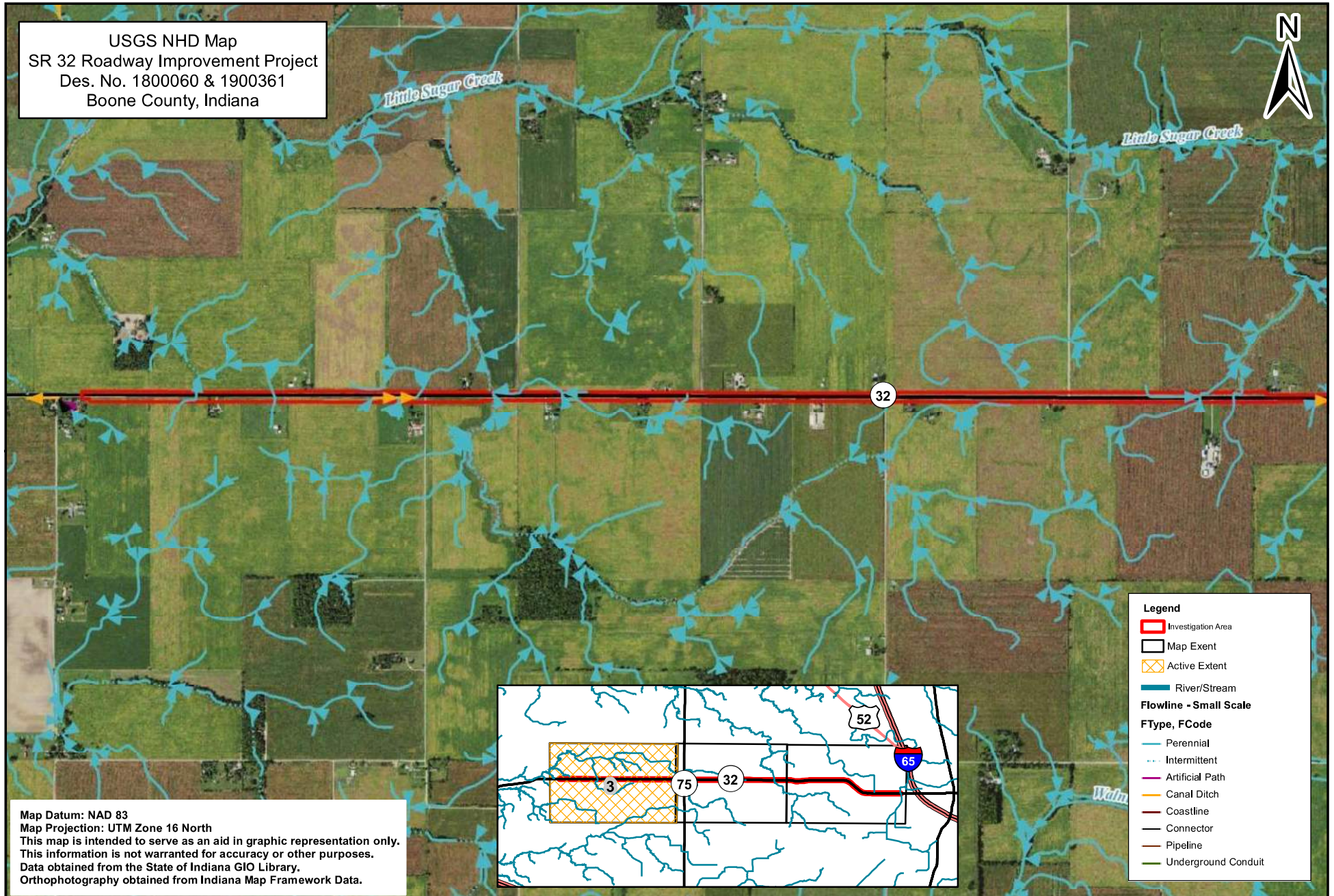


USGS NHD Map 2 of 3



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 5/25/21

USGS NHD Map
SR 32 Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

Legend

- Investigation Area
- Map Exent
- Active Extent
- River/Stream

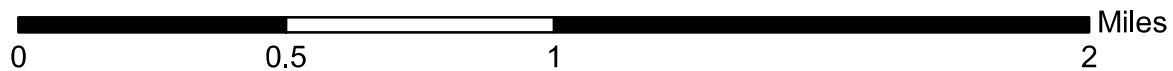
Flowline - Small Scale

FType, FCode

- Perennial
- Intermittent
- Artificial Path
- Canal Ditch
- Coastline
- Connector
- Pipeline
- Underground Conduit



USGS NHD Map 3 of 3



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 5/25/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
This map is intended to serve as an aid in graphic representation only.
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

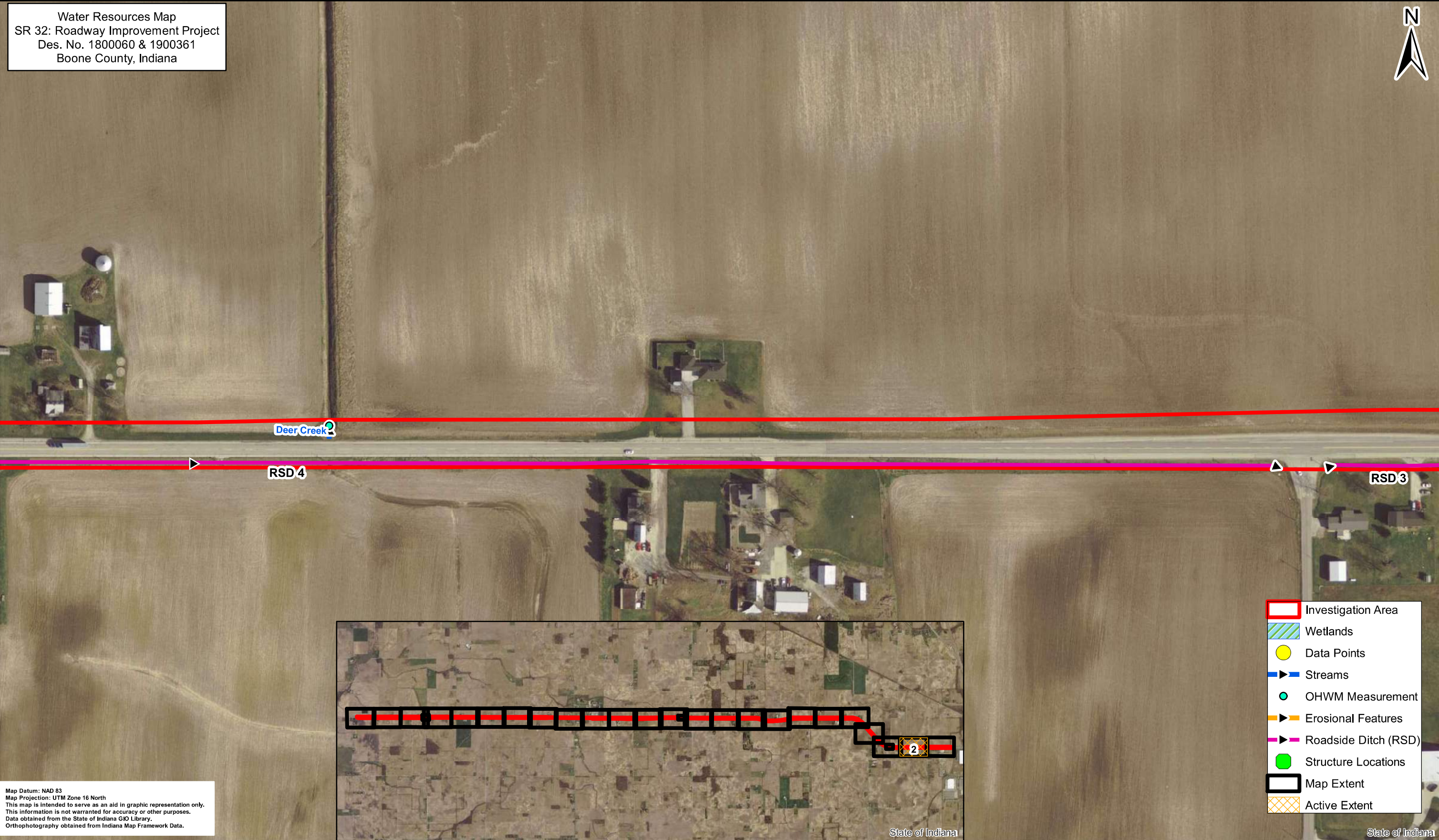


Water Resources Map 1 of 27

0 110 220 440 Feet

Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

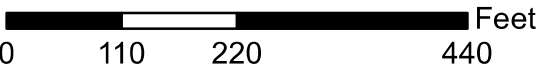
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.



Water Resources Map 2 of 27

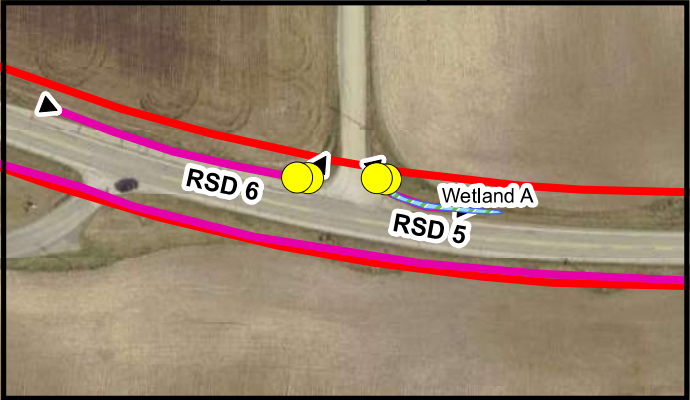


Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Extent 4

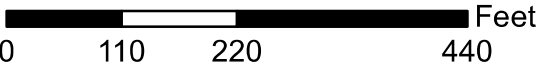


- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

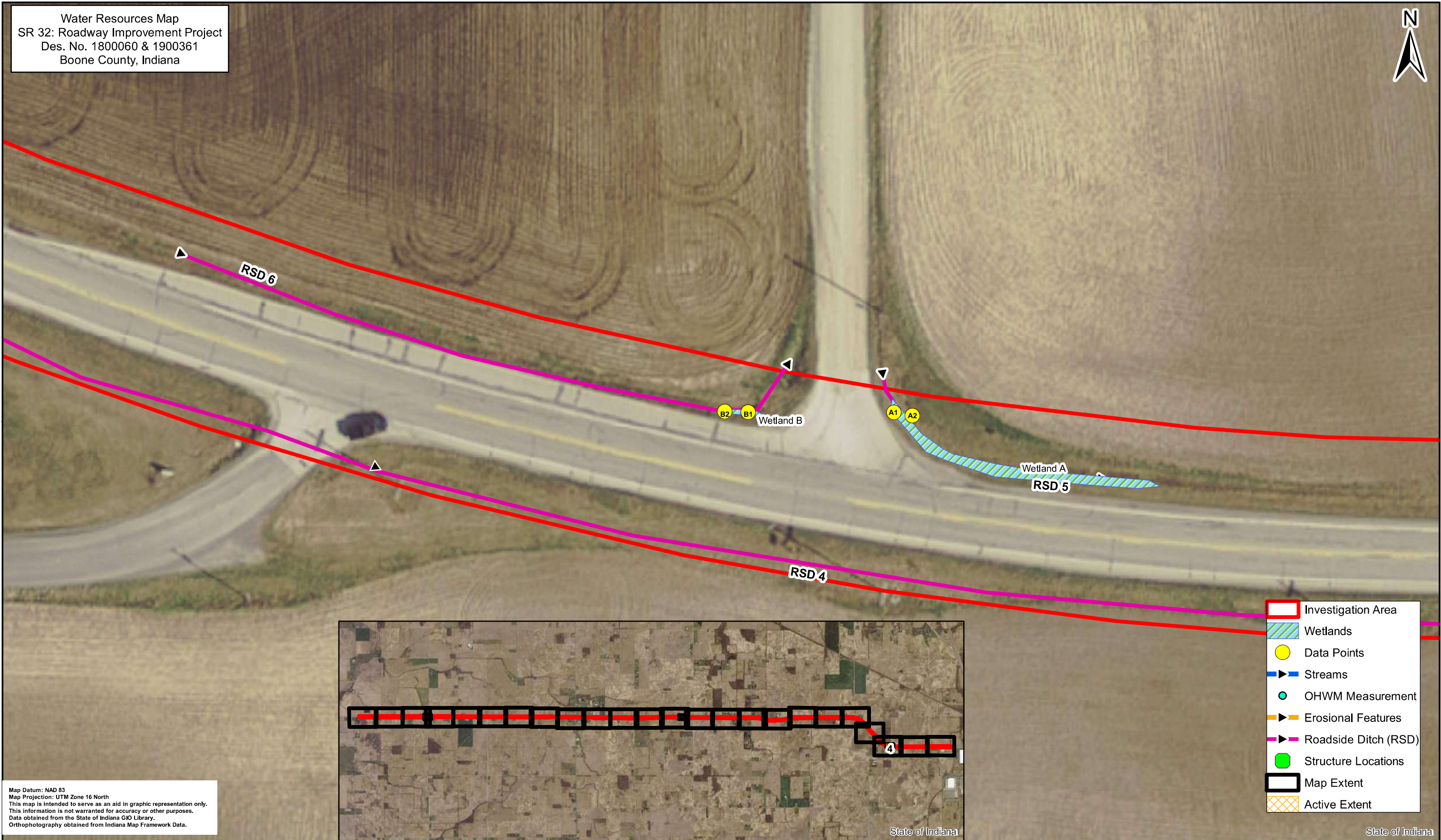


Water Resources Map 3 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

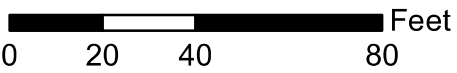
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
This map is intended to serve as an aid in graphic representation only.
This information is not warranted for accuracy or other purposes.
Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.



Water Resources Map 4 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana

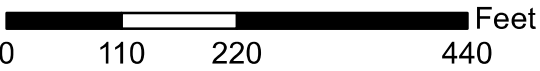


- Investigation Area
- Wetlands
- Data Points
- Streams
- OHW Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.



Water Resources Map 5 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

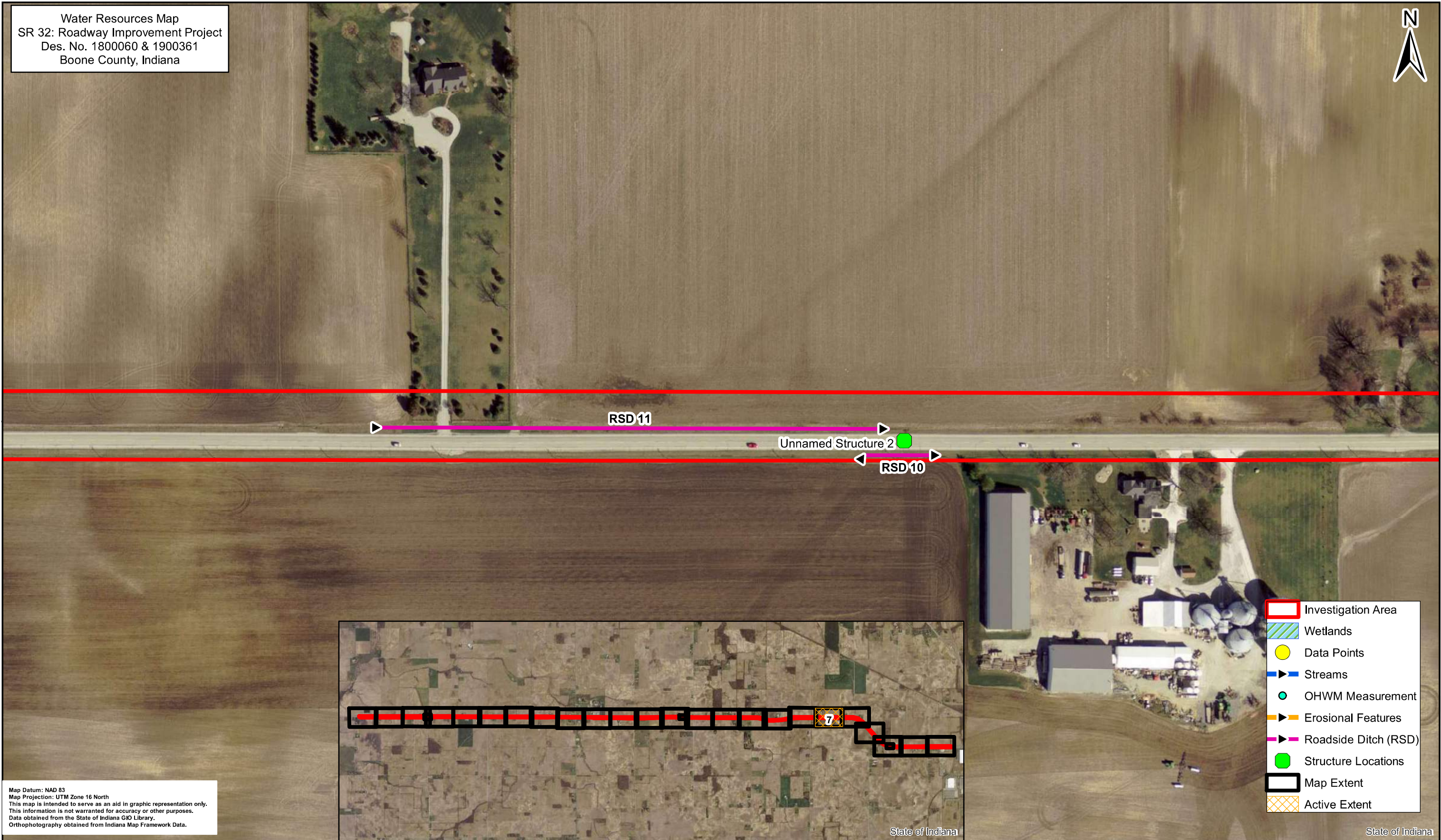


Water Resources Map 6 of 27

0 110 220 440 Feet

Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

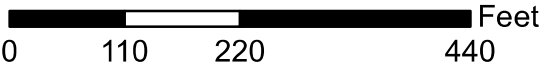
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Orthophotography obtained from Indiana Map Framework Data.



Water Resources Map 7 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

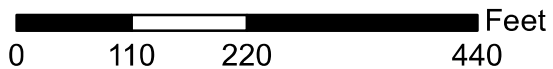


State of Indiana

State of Indiana

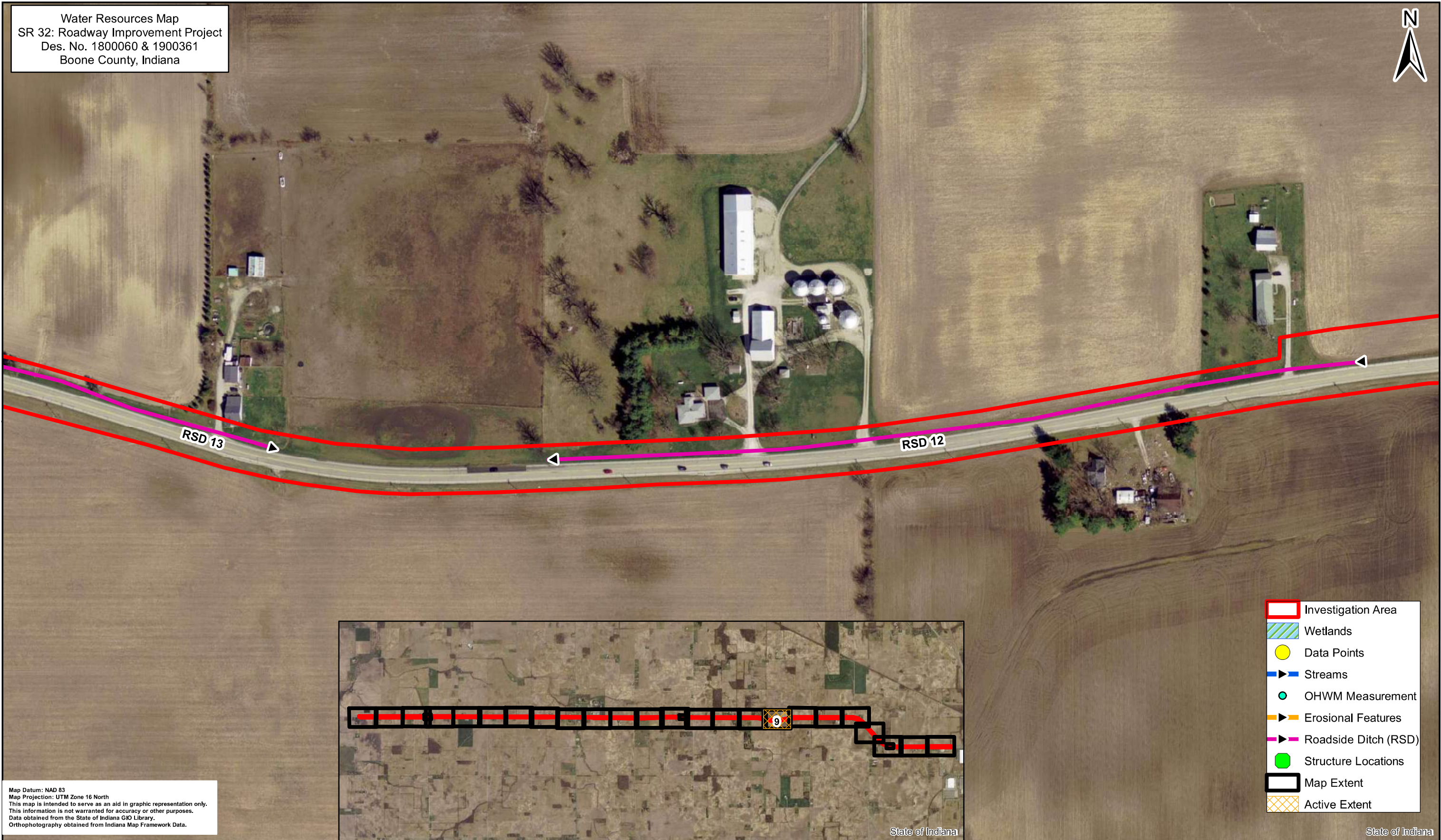


Water Resources Map 8 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

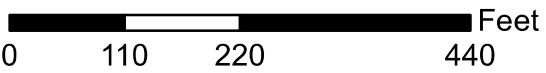
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
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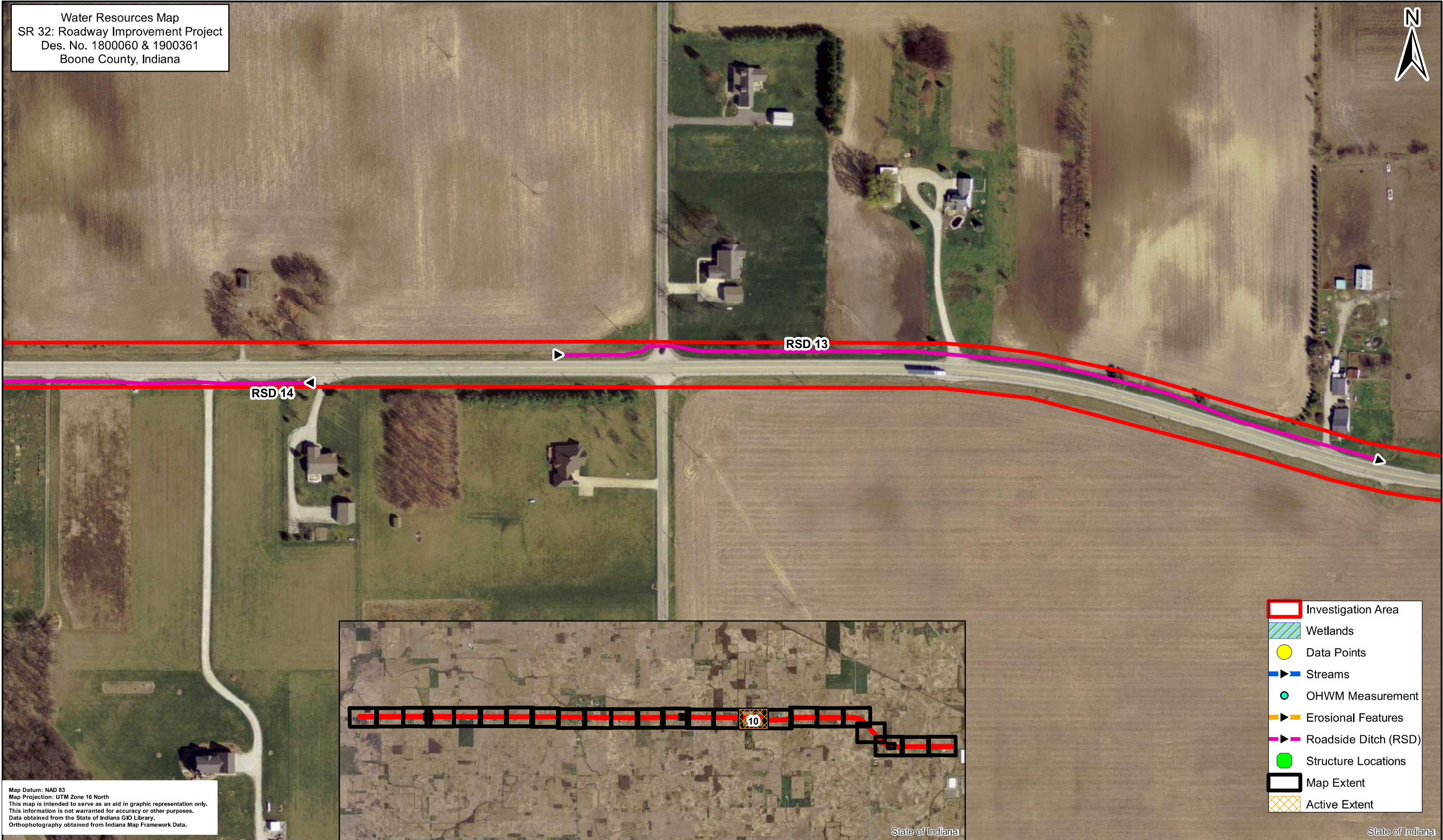
Water Resources Map 9 of 27



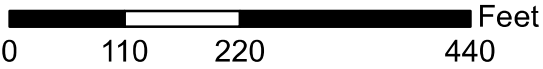
Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Water Resources Map 10 of 27

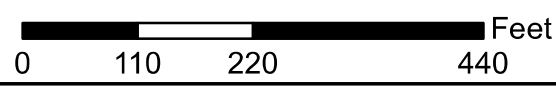


Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana

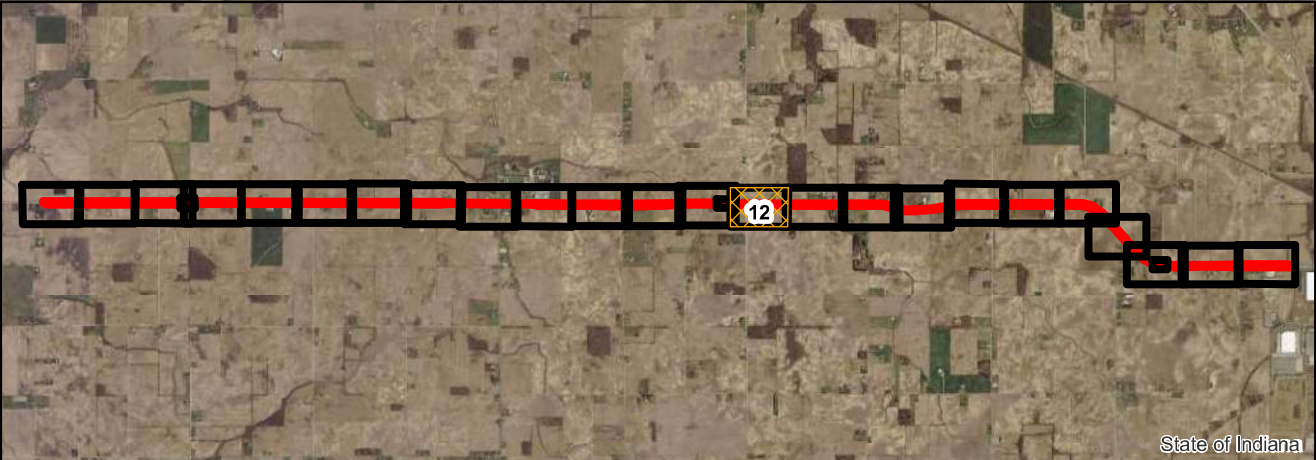


Water Resources Map 11 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana

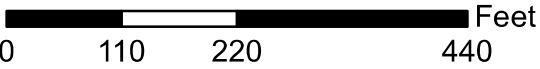


- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

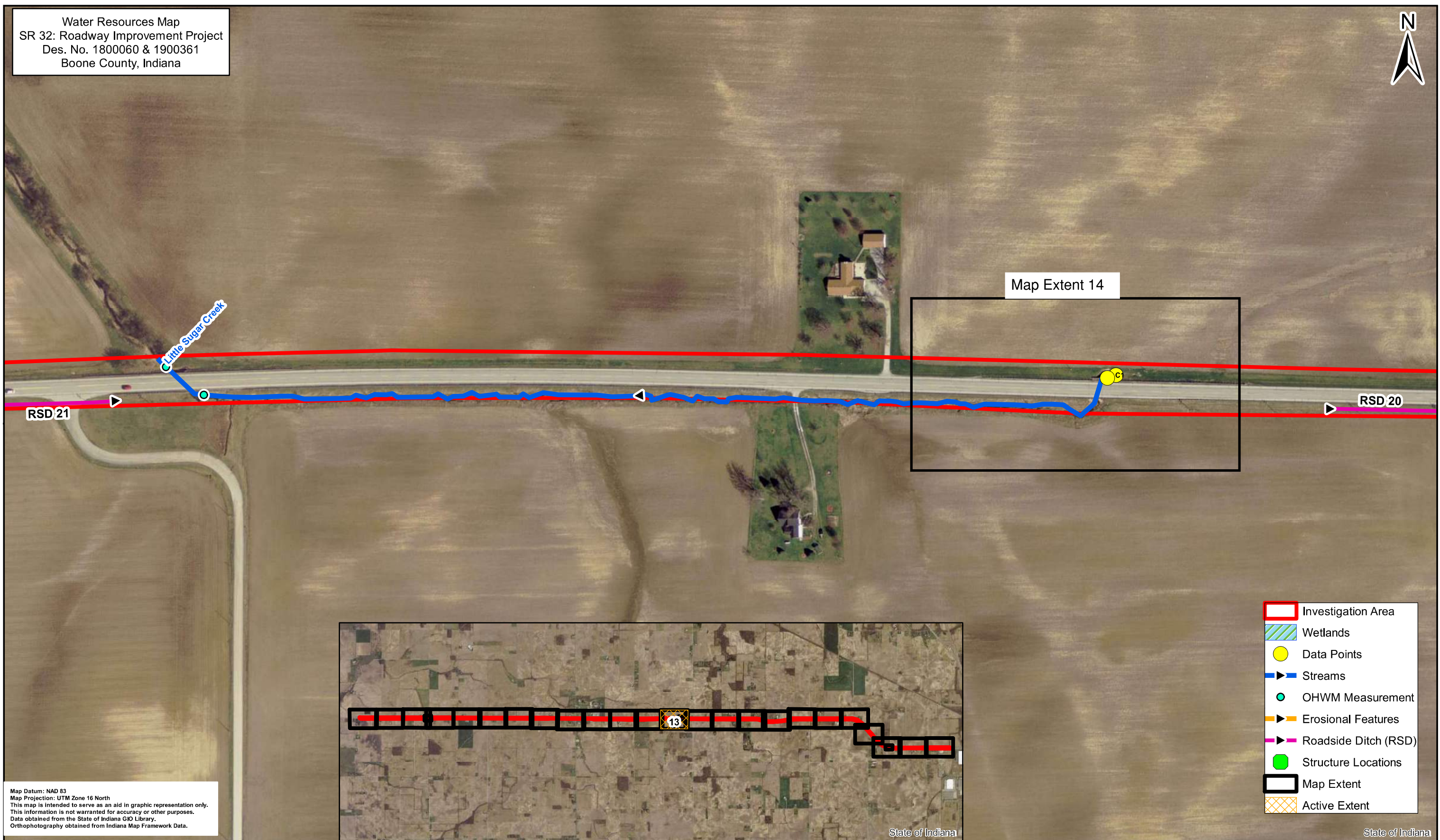


Water Resources Map 12 of 27

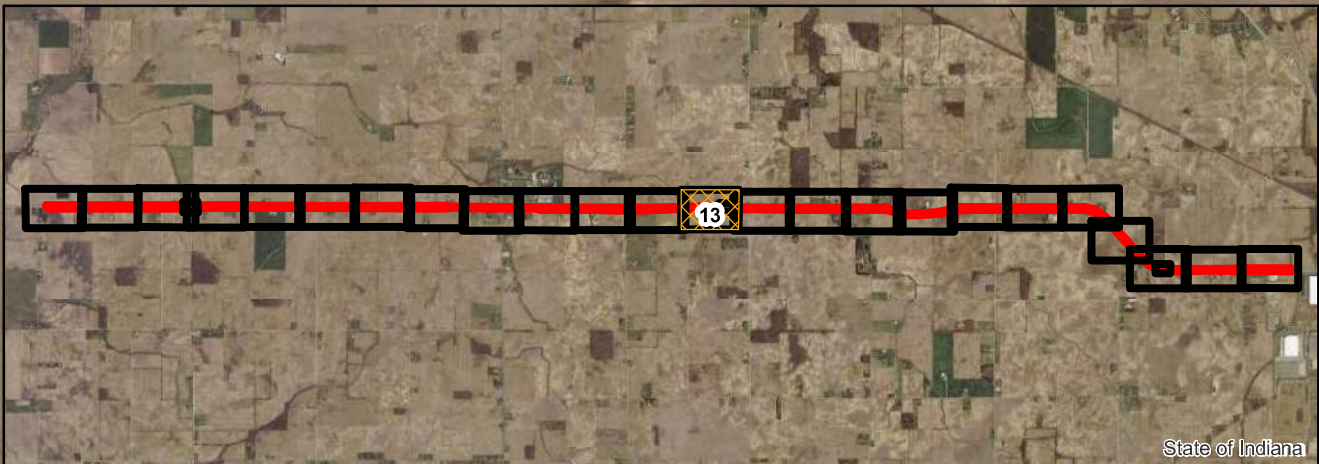


Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.



Water Resources Map 13 of 27

0 110 220 440 Feet

Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

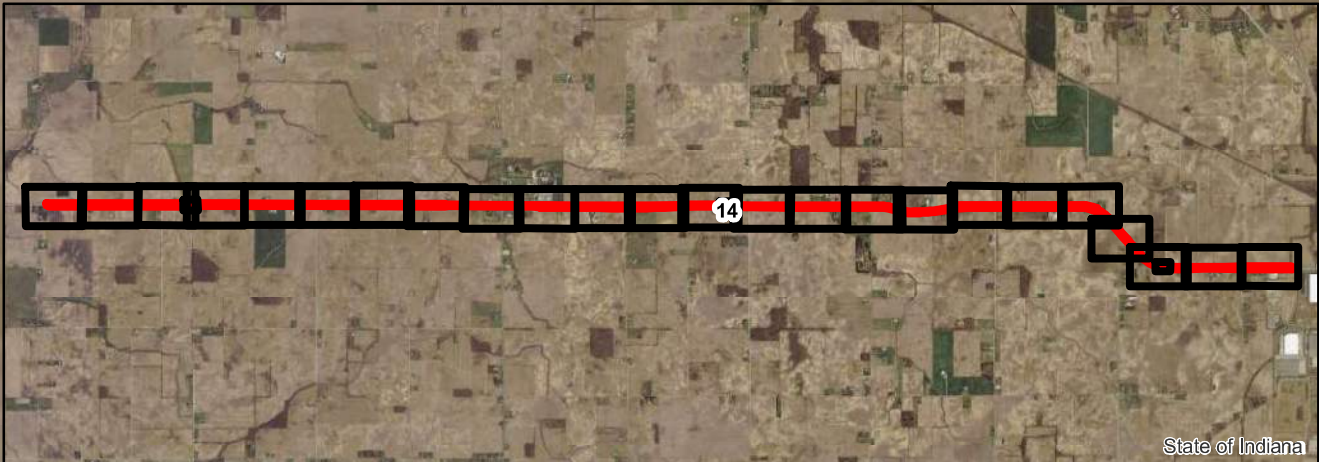
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Little Sugar Creek

Wetland C
C1
C2

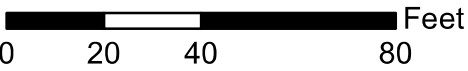
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.



- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent



Water Resources Map 14 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

State of Indiana

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



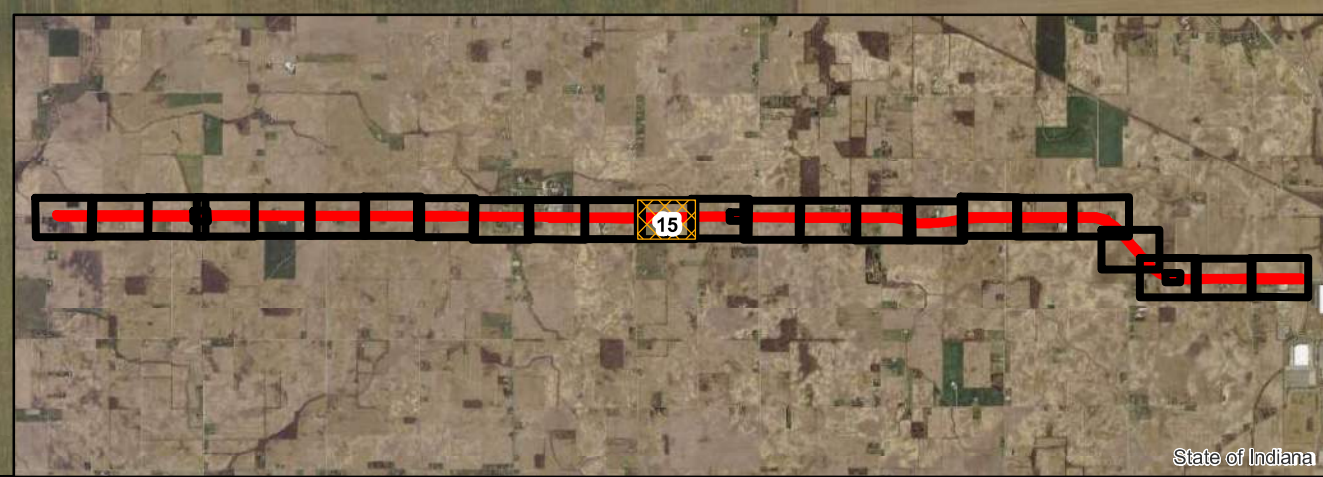
Unnamed Structure 3

RSD 21

Little Sugar Creek

- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
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Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

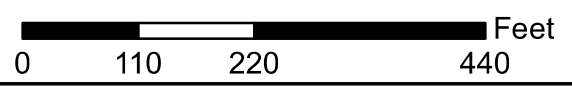


State of Indiana

State of Indiana



Water Resources Map 15 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Unnamed Structure 4

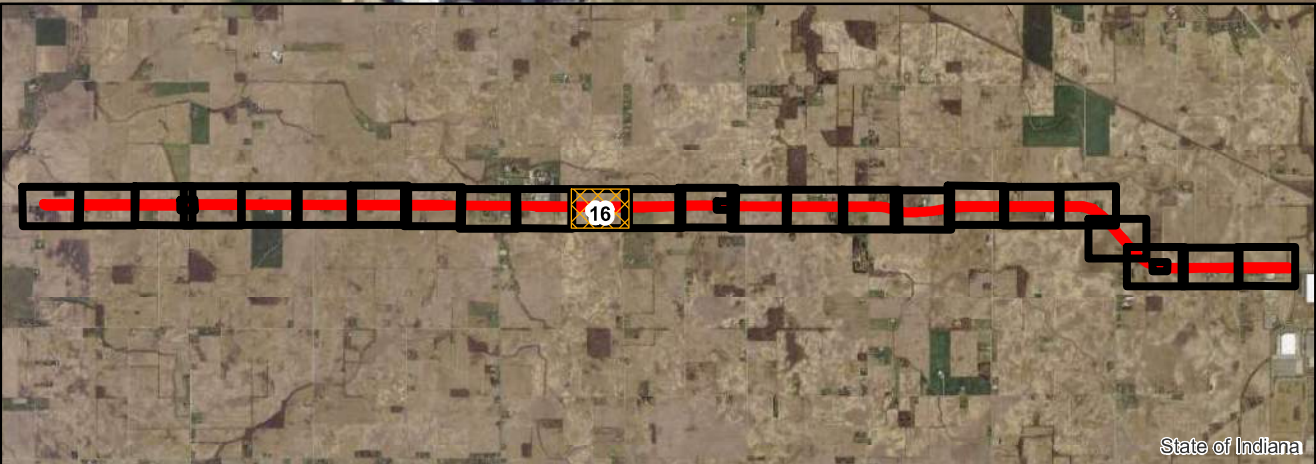
RSD 22

CV 032-006-53.38

Erosional Feature 2

UPI

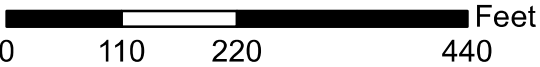
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This map is intended to serve as an aid in graphic representation only.
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.



- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

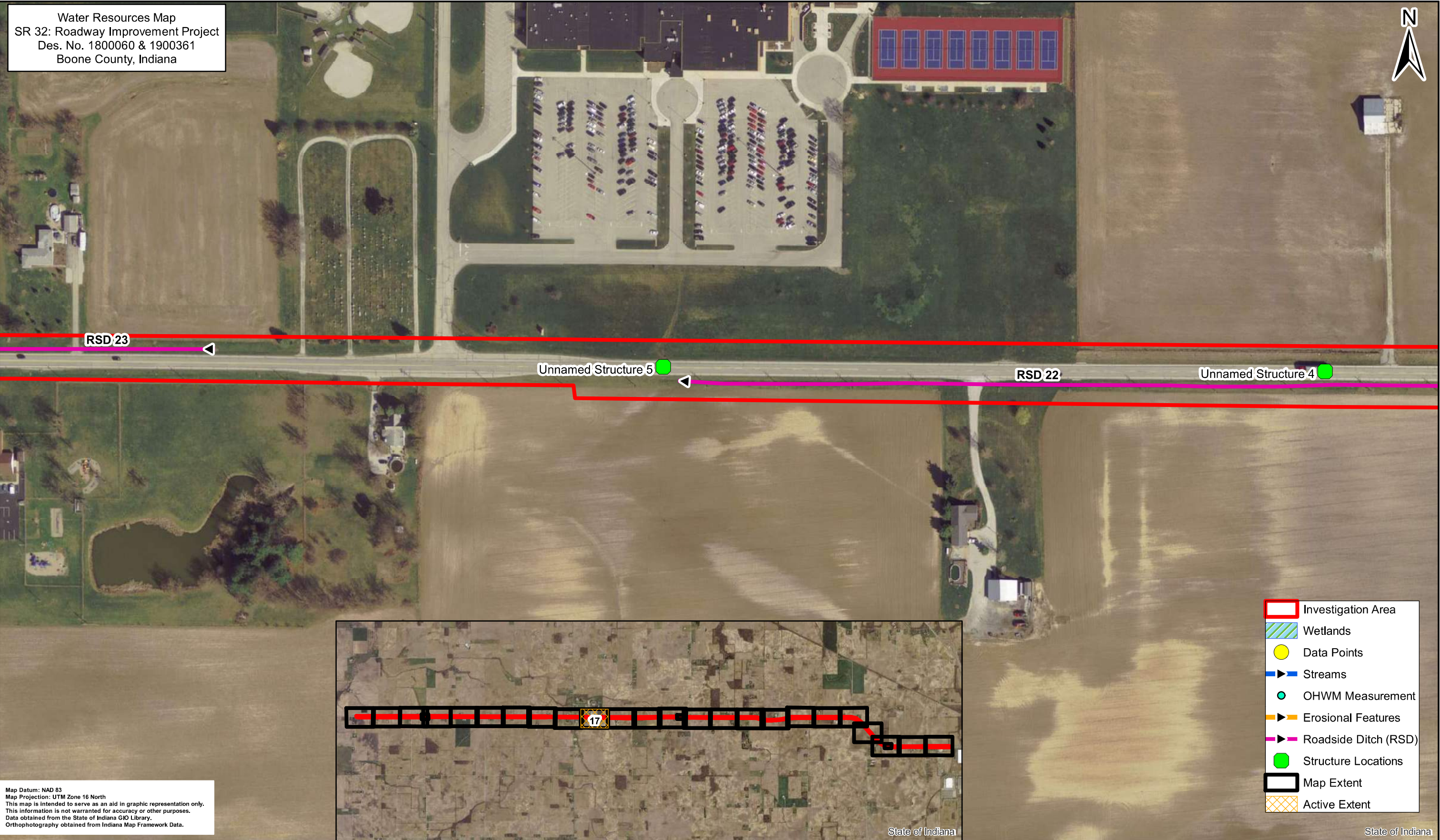


Water Resources Map 16 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

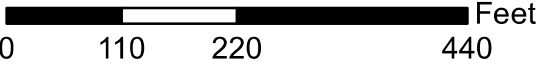
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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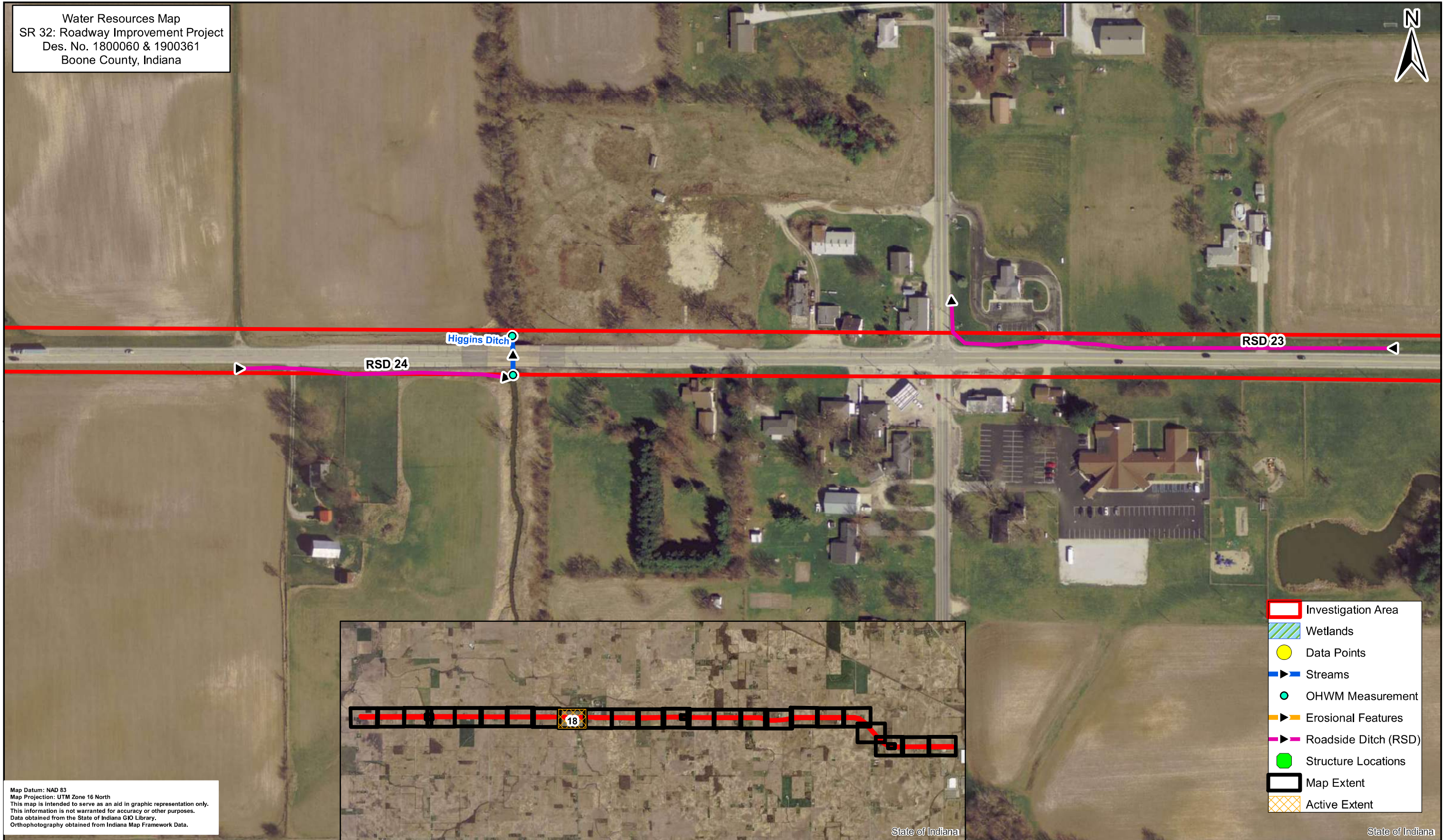


Water Resources Map 17 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

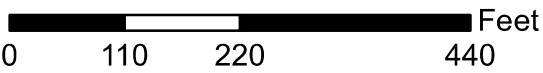
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.



Water Resources Map 18 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

State of Indiana

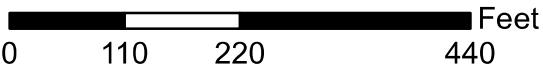
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
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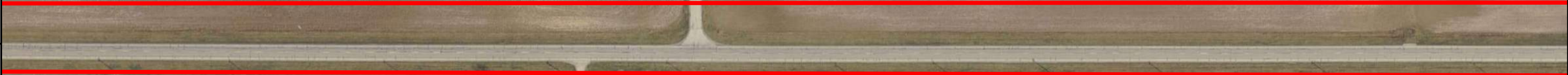


Water Resources Map 19 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWL Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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Data obtained from the State of Indiana GIO Library.
Orthophotography obtained from Indiana Map Framework Data.

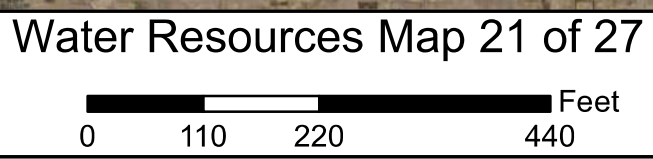


Water Resources Map 20 of 27

0 110 220 440 Feet

Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana

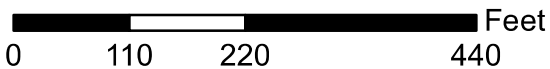


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Orthophotography obtained from Indiana Map Framework Data.

- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent



Water Resources Map 22 of 27

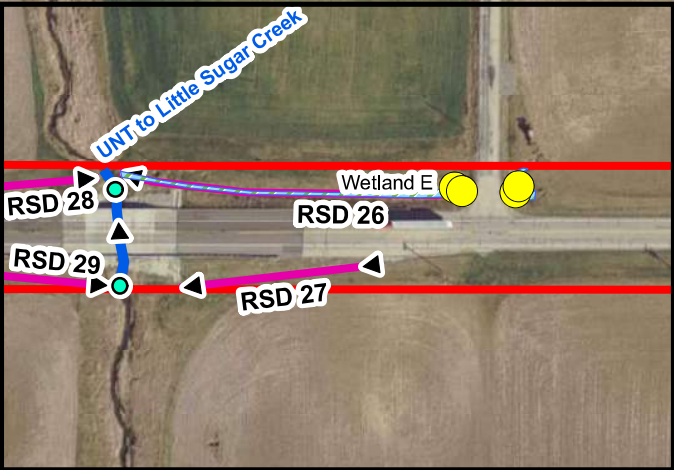


Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map extent 25

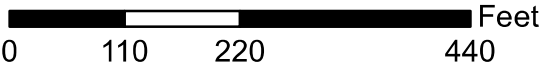


- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
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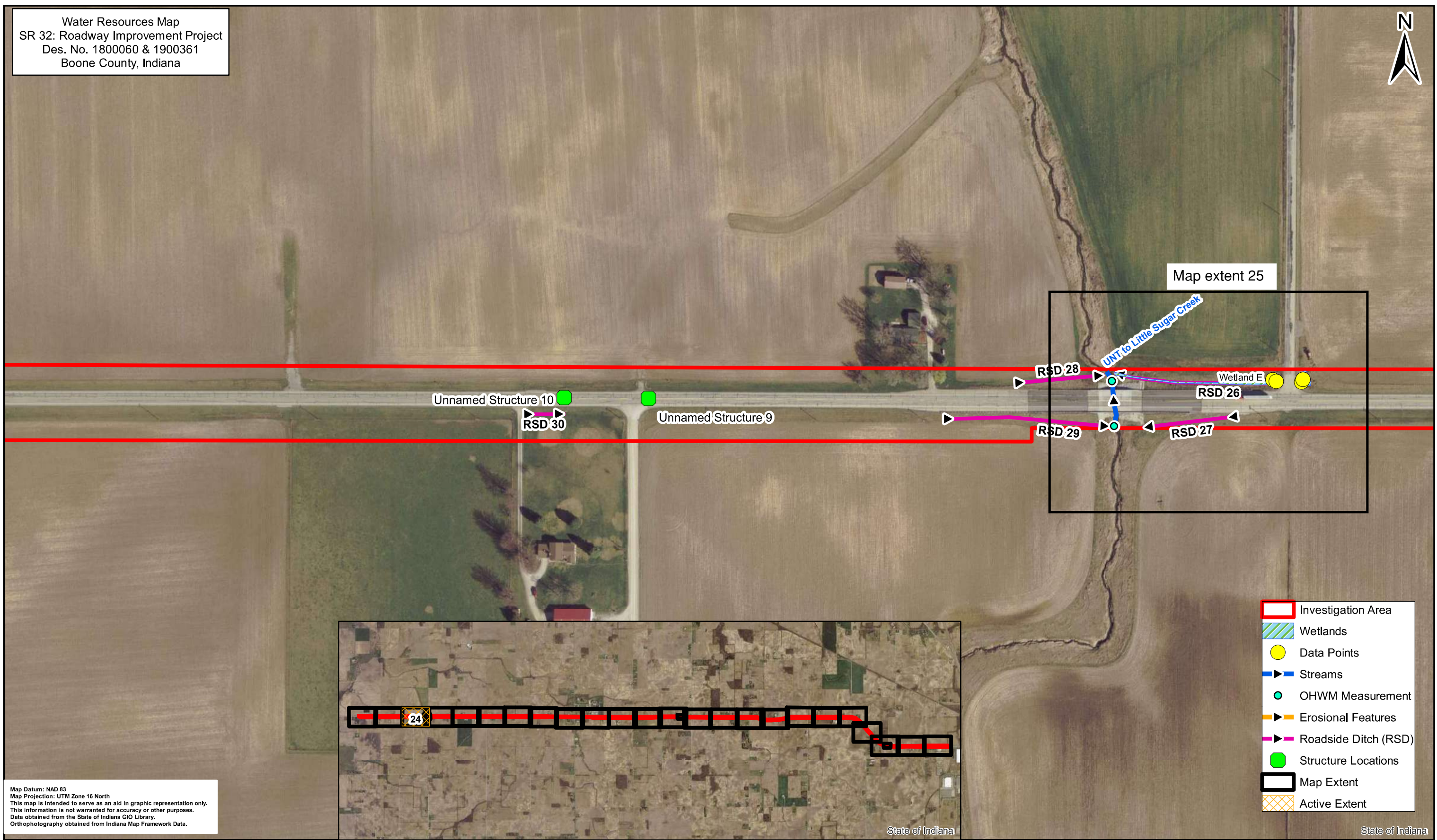
Water Resources Map 23 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

State of Indiana

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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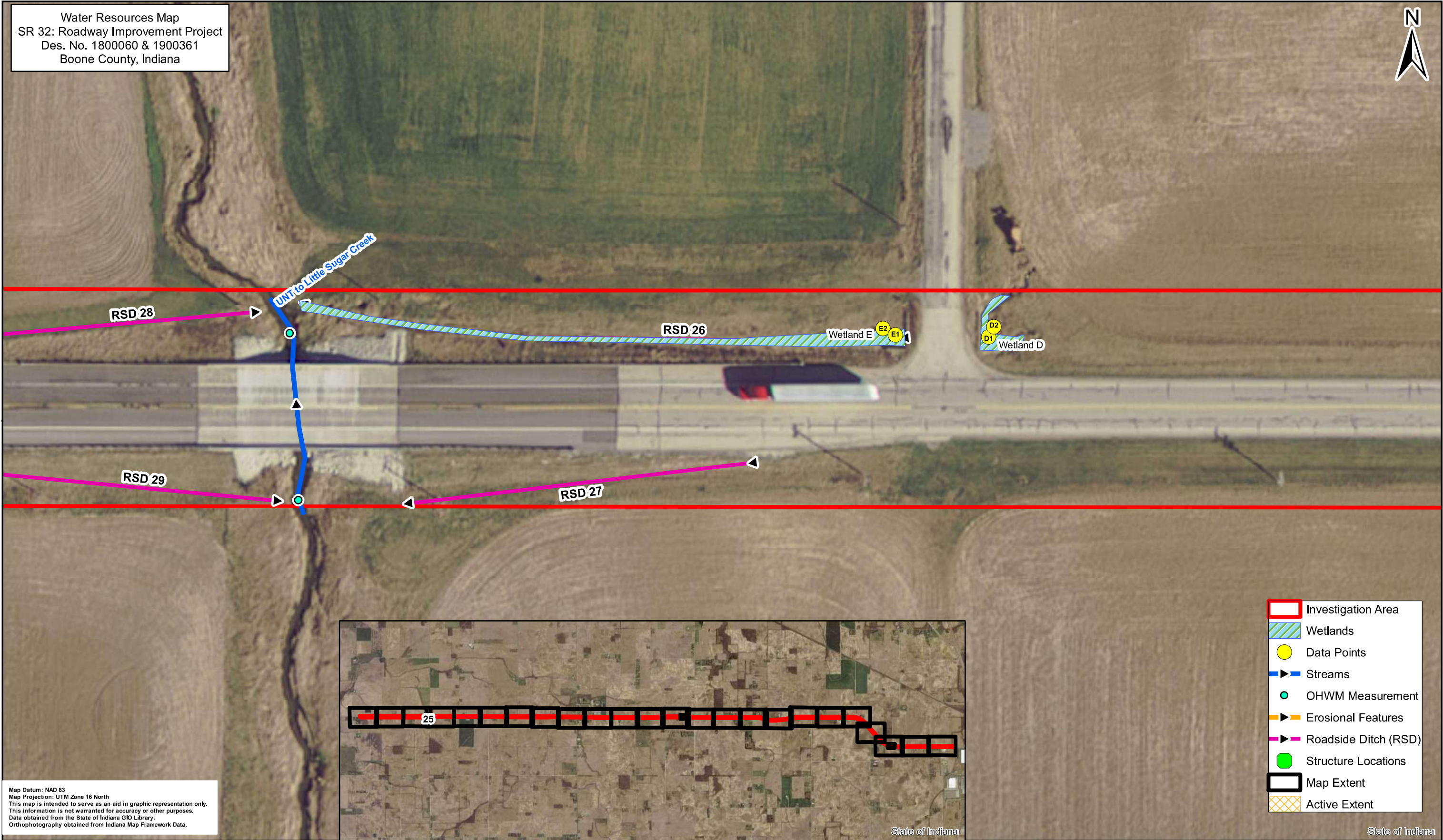


Water Resources Map 24 of 27

0 110 220 440 Feet

Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Water Resources Map 25 of 27

0 25 50 100 Feet

Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



Unnamed Strucutre 11

- Investigation Area
- Wetlands
- Data Points
- Streams
- OHWM Measurement
- Erosional Features
- Roadside Ditch (RSD)
- Structure Locations
- Map Extent
- Active Extent

Map Datum: NAD 83
Map Projection: UTM Zone 16 North
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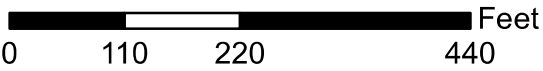


State of Indiana

State of Indiana

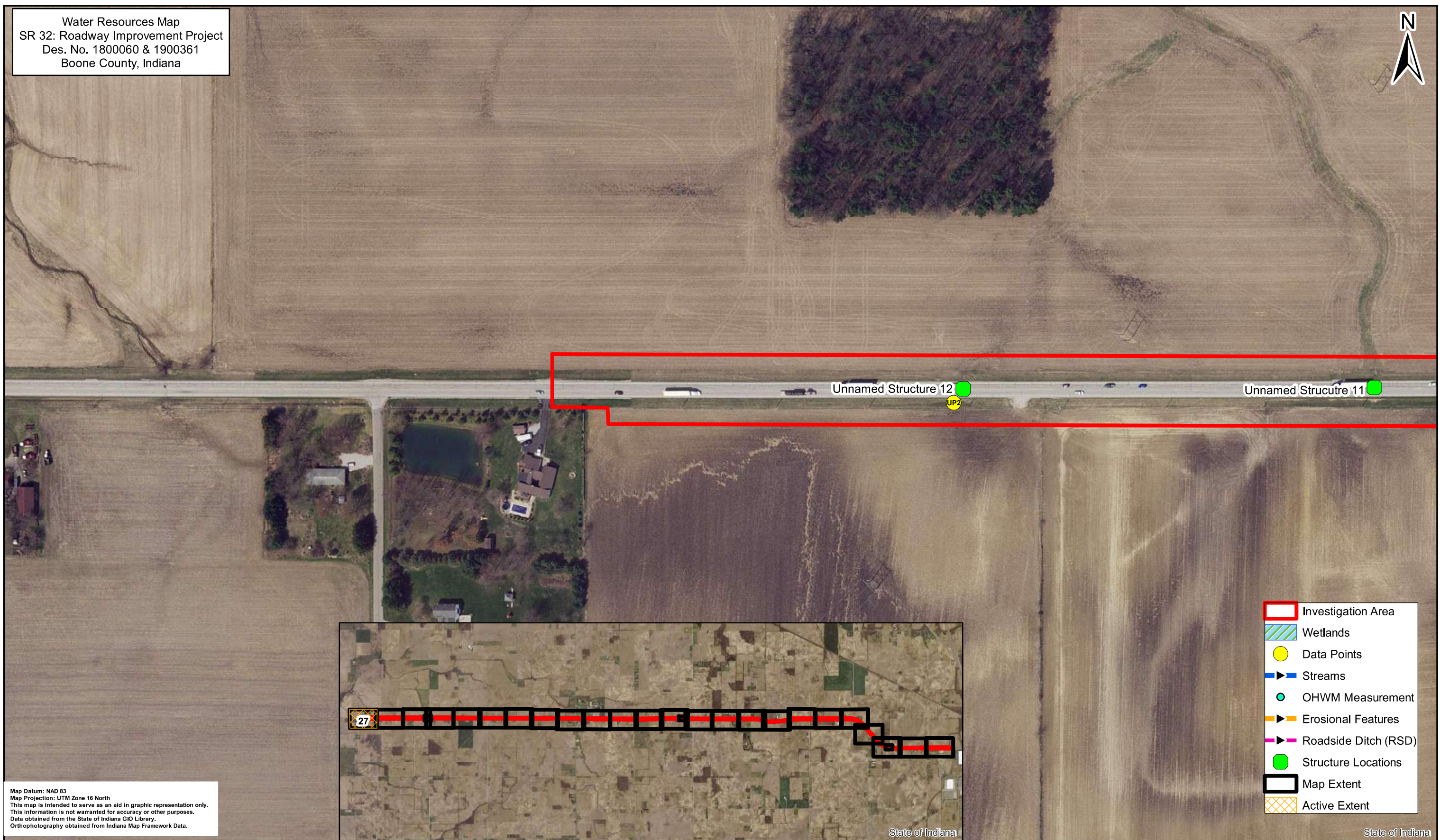


Water Resources Map 26 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date:07/26/21

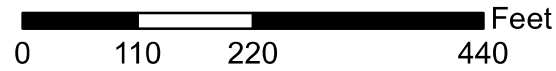
Water Resources Map
SR 32: Roadway Improvement Project
Des. No. 1800060 & 1900361
Boone County, Indiana



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Orthophotography obtained from Indiana Map Framework Data.



Water Resources Map 27 of 27



Location: SR 32
Township: Jefferson & Center
County: Boone
Date: 07/26/21

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: September 15, 2021

B. NAME AND ADDRESS OF PERSON REQUESTING PJD: Harlan Ford, RQAW Corporation,
8770 North Street, Suite 110, Fishers, IN. 46038

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

Des No's 1800060 & 1900361

The Federal Highway Administration (FHWA) and the Indiana Department of Transportation (INDOT) Crawfordsville District propose to proceed with a roadway improvement project located on State Road (SR) 32 from 3.69 miles W. of SR 75 to 0.5 miles W. of I-65 in Boone County, Indiana. The preferred alternative involves a functional Hot Mix Asphalt (HMA) minor structural overlay and the addition of 4 passing lanes (2 eastbound (EB) and 2 westbound (WB) that will each be approximately 1 mile long. The HMA overlay project will be located on SR 32 0.05 mi W of SR 75 to 0.5 mi W of I-65 and the added passing lanes project will be located on SR 32 from 3.69 mi W of SR 75 to 2.47 mi W of I-65. The proposed improvements will involve 6.62 miles of mill and resurface and approximately 4 miles of added passing lanes. This project will perpetuate existing drainage where possible. There are several locations where the ditches are no longer defined. Proposed ditches will be developed in these areas during the design process. Also, new ditches will be established and required in the passing lane areas. The proposed cross section for SR 32 within the HMA overlay portion will include two 12 foot wide travel lanes with 3 foot wide paved shoulders. In the 4 areas where the passing lanes will be installed, the cross section will include three 12 foot wide travel lanes with 3 foot paved shoulder. In addition, thirteen small structures are proposed to be replaced as part of this project.

(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: Indiana

County/parish/borough: Boone

City: Lebanon, IN

Center coordinates of site (lat/long in degree decimal format):

Lat.: 40.05420° N

Long.: -86.60085° W

Universal Transverse Mercator: 16N 534044 E 443849 N

Name of nearest waterbody: Sanitary Ditch

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:

☐ Field Determination. Date(s):

**TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH “MAY BE” SUBJECT TO
REGULATORY
JURISDICTION.**

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource “may be” subject (i.e., Section 404 or Section 10/404)
Sanitary Ditch	40.04674	-86.49890	187.601ft./0.025 ac.	Non-wetland	Non Section 10/Section404
Deer Creek	40.04672	-86.51357	44.101ft./0.003 ac.	Non-wetland	Non Section 10/Section404
Wolf Creek	40.05416	-86.56954	118.061ft./0.013 ac.	Non-wetland	Non Section 10/Section404
Little Sugar Creek	40.05417	-86.58984	2,677.751ft./0.184 ac.	Non-wetland	Non Section 10/Section404
Higgins Ditch	40.05449	-86.62284	116.011ft./0.026 ac.	Non-wetland	Non Section 10/Section404
UNT to Little Sugar Creek	40.05472	-86.66828	162.701ft./0.011 ac.	Non-wetland	Non Section 10/Section404
Wetland A	40.04682	-86.51822	0.022 ac.	Wetland	Non Section 10/Section404
Wetland B	40.04682	-86.51847	0.001 ac.	Wetland	Non Section 10/Section404
Wetland C	40.05429	-86.58506	0.005 ac.	Wetland	Non Section 10/Section404
Wetland D	40.05473	-86.66690	0.011 ac.	Wetland	Non Section 10/Section404
Wetland E	40.05473	-86.66769	0.054 ac.	Wetland	Non Section 10/Section404